

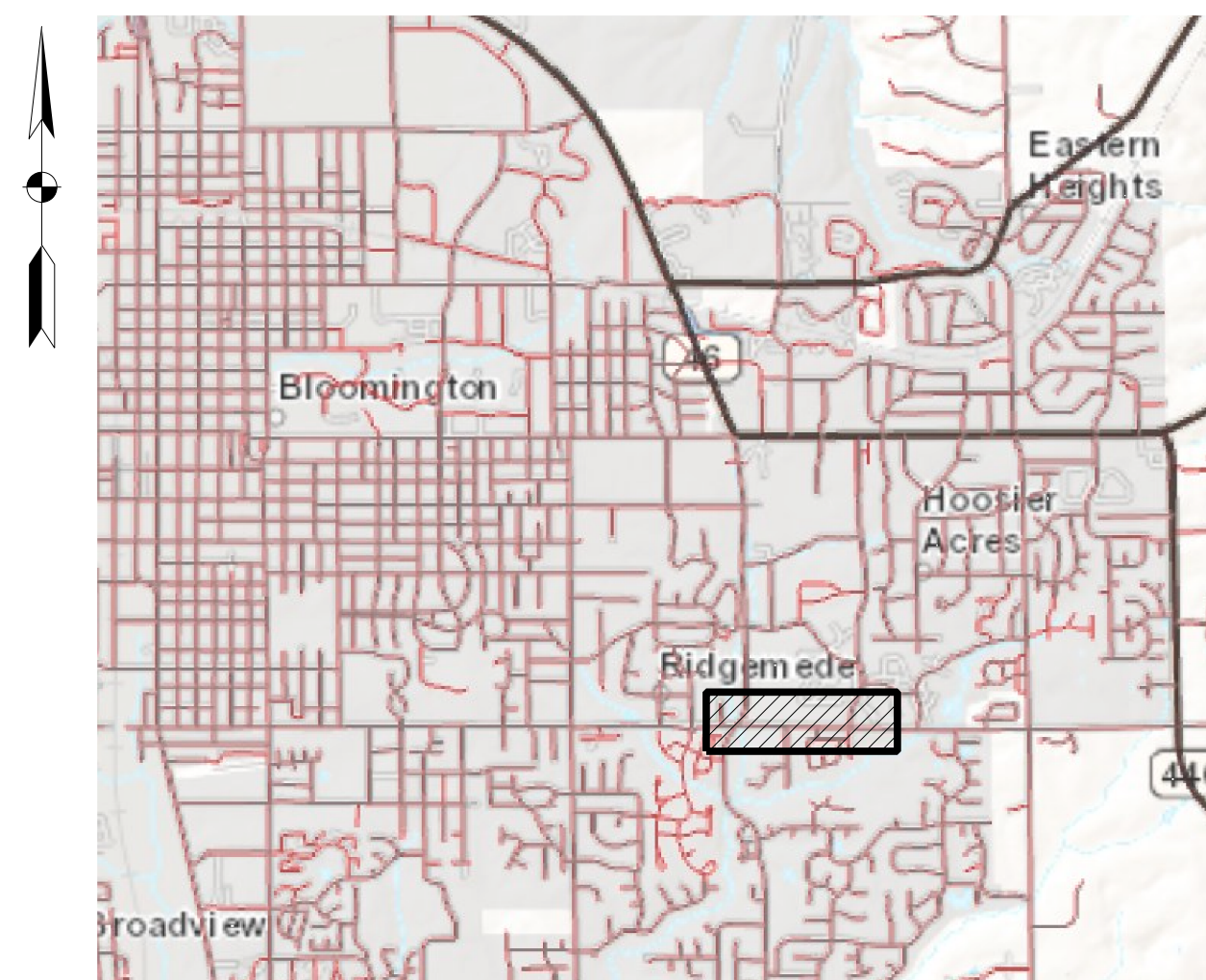
PLANNING AND TRANSPORTATION DEPARTMENT

CITY OF BLOOMINGTON



MOORES PIKE SIDEWALK PROJECT BLOOMINGTON, INDIANA


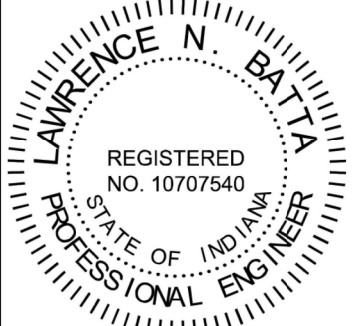
MAYOR, JOHN HAMILTON



LOCATION MAP
MONROE COUNTY

 PROJECT AREA

The latest edition of the following Standards/Specifications shall be utilized in these plans: the Indiana Department of Transportation (INDOT) 2018 and the City of Bloomington Utilities for all materials, equipment, structures and installations.

 © Copyright CMT, Inc. 8790 PURDUE ROAD INDIANAPOLIS, IN 46268-6128 PHONE: (317) 298-4500		RECOMMENDED FOR APPROVAL: <i>LNB</i> 7/15/2019 DESIGN ENGINEER DATE	CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION DEPARTMENT	HORIZONTAL SCALE: N/A BRIDGE FILE:
		DESIGNED: RCC 7/15/2019 DRAWN: RCC 7/15/2019 CHECKED: LNB 7/15/2019 CHECKED: LNB 7/15/2019	MOORES PIKE SIDEWALK PROJECT	VERTICAL SCALE: DESIGNATION SURVEY BOOK: SHEETS 1 of 32 CONTRACT: PROJECT

General Notes

- These plans and contract documents have been prepared per the scope of work provided by the City of Bloomington Planning and Transportation Department. This project is foremost a sidewalk project with some drainage elements, not a total rehabilitation, total upgrade, or reconstruction. These documents have been prepared to meet the goals as set out in the scope and do not necessarily meet all of the criteria of AASHTO or INDOT for design.
- The Contractor is responsible for all utility coordination shown or not. The Contractor shall have all utilities field located as necessary prior to beginning work. The support, protection and restoration of all utilities and appurtenances shall be the responsibility of the Contractor.
- Tack coat is required with each layer of asphalt placed. Tack coat is required on vertical surfaces next to asphalt (i.e., gutter, shoulder, widening, etc.). Tack coat shall be considered incidental to the cost of HMA Pavement.
- The Contractor shall transition pavement slope through corner radii at a constant rate so as to match the adjacent typical sections. Wedge and level material or other material accepted by the Engineer shall be used as necessary to provide positive drainage of the intersections.
- If necessary, the City of Bloomington Planning and Transportation will provide the Contractor with "Right-of-Entry" releases from all affected property owners along the Construction installation routes for grading purposes. Contractor shall restore all disturbed areas to original condition. Disturbed lawns shall be replaced with mulched seeding, as directed by the Engineer.
- All inlets noted as "Modified" type are standard INDOT structures. With any of the following modifications: 1) adjustments in depth, 2) additional inlet or outlet pipes, or 3) a 3" drop across the structure bottom. Unless otherwise noted, no special details are required.
- Existing curb types may vary at streets. Contractor shall inspect curb prior to beginning work to assure proper fit and transition.
- For any bid item for which a quantity is bid (see Itemized Proposal), prior written approval from the Engineer to exceed the bid quantity is required or no payment will be made for the overage.
- All disturbed areas within the project limits shall be mulched seeded. Except as otherwise noted, payment to be included in the cost of other items in the contract. See Technical Specifications.
- All drainage structure adjustments shall use 2 in. concrete riser rings. Bricks will not be allowed on the City of Bloomington Planning and Transportation projects.
- If existing roadway signs interfere with the prosecution of the work for this project, such signs and posts shall be removed and stored as directed. The cost of removing and storing existing signs will not be paid for directly. The cost shall be included in other pay items. If the signs are not in conflict, they may remain in place.
- Utility manholes surrounded by concrete pad shall be removed and replaced by utility as designated on plans or directed by the Engineer.
- Contractor to ensure that positive drainage is maintained at all intersections and along curb and gutter flowlines after the completion of curb ramp construction.
- At improvements to existing drives, the Contractor shall verify that the proposed grade does not exceed 8.33% for the first 10 ft. beyond the sidewalk.
- Positive drainage shall be maintained at all times.
- Access to all entrances shall be maintained at all times.
- Concrete washouts shall be in a contained system, allowed to harden and disposed of properly. Washouts shall not be performed directly onto the ground or storm sewer.
- Removal of plant material on pavement or at curbs or sidewalks shall be incidental to cold planing or other items. No direct payment will be made.
- The Contractor shall verify all drainage structure and pipe types, material, wall thicknesses, inverts, depths, diameter, sizes and conditions prior to ordering materials for adjustments, connections, extensions or alterations. Contractor shall assume responsibility for proper fit.
- Hydraulic capacity of the existing storm water inlets must be equal to or greater than the existing conditions
- Pavement repair at curb installations to match existing road surface and shall be with materials and thickness matching the adjacent pavement (concrete or asphalt). The pavement repair and the saw cutting are non-pay items, the cost of which is to be included in the cost of the curb in the bid.

Index	
Sheet No.	Description
1	Title Sheet
2	Index and General Notes
3	Quantity Summary
4 - 5	Survey Sheets
6 - 7	Typical Sections
8	Maintenance of Traffic
9 - 10	Moores Pike Sidewalk Construction Plans
11 - 12	Pavement Marking and Signing plan
13 - 14	Erosion Control Plan
15 - 16	Intersection Grading Plan
17	Modular Block Wall Details
19	Structure Data Table
20 - 32	Cross Sections



General Legend

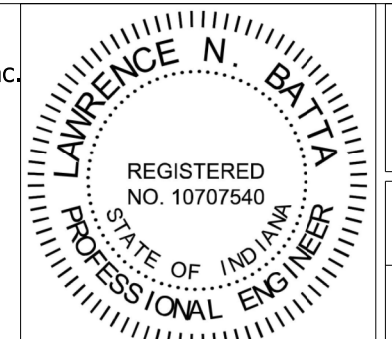
(AC) Furnish and Adjust Casting To Grade, Type 2	(P) 990#/Syd HMA For Structure Installation, Type B	(W5) Transverse Marking, Thermoplastic Line, White, 8 In.	(C) Curb, Concrete, 20 In.	(R) 165#/Syd HMA Surface, Type B, 9.5 mm on 220#/Syd HMA Intermediate, Type B, 12.5 mm	(W6) Line, Thermoplastic, Solid, White, 6 In.	(DW) Detectable Warning Surface, Brick With Truncated Domes (To Be Paid As Curb Ramp, Concrete)	(O) Sanitary Structure
(CB) Private Utility Curb Box Adjustment (No Direct Pay)	(R1) HMA For Approaches, Type A, 9.5 mm	(W7) Line, Thermoplastic, Solid, White, 4 In. (Parking "L")	(CD) PCCP For Approaches, 8 In.	(R2) HMA For Approaches, Type B, 9.5 mm	(W8) Line, Thermoplastic, Solid, White, 4 In. (Parking "T")	(ONLY) Pavement Message Marking, Thermoplastic Word (ONLY)	(D) Drainage Structure
(CG) Curb And Gutter, A, Concrete.	(R2) HMA for Widening, 165#/sys HMA Surface Type C, 9.5 mm on 1100#/sys HMA Base Type C, 25.0 mm	(Y) Line, Thermoplastic, Solid, Yellow, 4 In.	(CG1) Concrete Roll Curb And Gutter	(RR) Remove And Reset Casting To Grade	(Y1) Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 12 In.	(PAV) Pavement Message Marking, Thermoplastic Lane Indication Arrow	(S) Signal Detector Housing
(CG2) Modified Combined Curb and Gutter	(S) Sidewalk, Concrete, 4 In.	(Y2) Line, Thermoplastic, Dotted, Yellow, 4 In.	(CP) Bituminous Cold Planing, Up To 3 1/2 In.	(S1) Sidewalk, Concrete, 6 In.	(RB) Snowplowable Raised Pavement Marker, 2-Way Blue	(RAIL) Pavement Message Marking, Thermoplastic Railroad Crossing	(V) Water Valve
(CP1) Bituminous Cold Planing, For Approaches	(SB) Transverse Marking, Thermoplastic, Stop Line, White, 24 In.	(RB) Snowplowable Raised Pavement Marker, 2-Way Blue	(CR) Curb Removal (All Types)	(SR) Sidewalk Removal (All Types)	(29) Modular Block Wall	(BIKE) Pavement Message Marking, Thermoplastic Bike Lane Indication Arrow	(G) Gas Valve
(CS) Clean Structure	(ST) Sidewalk Transition (To Be Paid As Sidewalk, Concrete, 4 In.)	(29) Modular Block Wall	(DND) Do Not Disturb	(TC) Tack Coat (No Direct Pay)		(PEDEST) Pavement Message Marking, Thermoplastic Pedestrian Symbol	(F) Fire Hydrant
(DR) Driveway Removal (All Types)	(TS) Topsoil		(UIP) Use In Place	(W) Line, Thermoplastic, Solid, White, 4 In.		(BIKE) Pavement Message Marking, Thermoplastic Bike Lane Symbol	(M) Misc. Manhole
(L1) Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 In.	(W1) Line, Thermoplastic, Broken, White, 4 In.			(W2) Line, Thermoplastic, Dotted, White, 6 In.		(BIKE) Pavement Message Marking, Thermoplastic Bike Lane Chevron	(SNOW) Snowplowable Raised Pavement Marker
(L2) Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 In.	(W2) Line, Thermoplastic, Dotted, White, 6 In.			(W4) Transverse Marking, Thermoplastic Cross Hatch Line, White, 12 In.		(T) Tree Coniferous	(T) Tree Deciduous
(MC) Curb, Monolithic, Concrete, 20 In.						(U) Utility Pole	(U) Utility Pole
(MS) Mulched Seeding With Special Topsoil						(UD) Utility Down Guy	(U) Utility Pole w/ Light
						(UP) Utility Pedestal	(U) Utility Pedestal
						(UH) Utility Handhole	(U) Utility Handhole
						(T) Traffic Signal Handhole	(U) Traffic Signal Handhole
						(TP) Traffic Signal Pedestrian Pedestal	(U) Traffic Signal Pedestrian Pedestal

Utilities

AT&T - Distribution Mr. Tod Moore Phone No. 812-606-2957 tm1925@att.com	Smithville Communications Mr. Joe Bryniarski Phone No. 812-320-9317 Joe.Bryniarski@smithville.com
Bloomington Utilities Ms. Jane Fleig Phone No. 812-349-3631 fleigj@bloomington.in.gov	Vectren Energy Mr. Mostafa Khllad Phone No. 765-287-2150 Mostafa.Khllad@centerpointenergy.com
Comcast Mr. Steve M'Cartor Phone No. 812-360-3090 steve_mcartor@cable.comcast.com	Windstream Communications Mr. Daniel Leskinen Phone No. 812-455-9558 daniel.leskinen@windstream.com
Duke Energy Mr. Gabe Gibson Phone No. 317-416-13 Gabe.Gibson@duke-energy.com	Zayo Mr. Waylon Higgions Phone No. 765-941-1199 waylon.higgions@zayo.com



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RECOMMENDED FOR APPROVAL	<i>L.N. Bath</i>	DESIGN ENGINEER	7/15/2019	DATE	
DESIGNED:	RCC	7/15/2019	DRAWN:	RCC	7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED:	LNB	7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

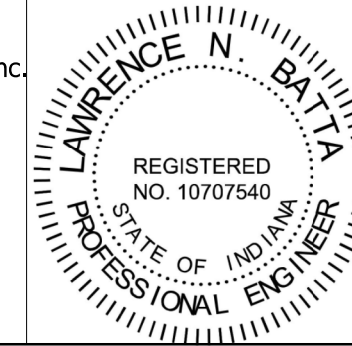
**MOORES PIKE SIDEWALK PROJECT
INDEX AND GENERAL NOTES**

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	PROJECT

SCHEDULE OF QUANTITIES			
PAY ITEM CODE	PAY ITEM DESCRIPTION	UNIT	SUMMARY OF QUANTITIES
105-06845	Construction Engineering	Lsum	1
107-09367	Inspection Hole, Deeper than 3 Ft	Each	3
110-01001	Mobilization and Demobilization	Lsum	1
201-52370	Clearing Right of Way	Lsum	1
203-02000	Excavation Common	CYS	335
203-02070	Borrow	CYS	62
205-06933	Temporary Inlet Protection	Each	10
205-06937	Temporary Silt Fence	LFT	760
211-09264	Structure Backfill, Type 3	CYS	5
301-07448	Compacted Aggregate No. 53, Base	TON	70
304-07490	HMA Patching Type B	TON	68
401-10258	Joint Adhesive, Surface	LFT	838
406-05520	Asphalt for Tack Coat	SYS	303
604-06070	Sidewalk , Concrete, 4 in,	SYS	470
604-08086	Curb Ramp, Concrete	SYS	44
604-12083	Detectable Warning Surfaces	SYS	12
605-06125	Curb, Concrete, Modified	LFT	851
610-08446	PCCP for Approaches, 6 in.	Sys	165
621-09867	Topsoil	CYS	702
621-06554	Mulched Seeding U	SYS	702
715-01354	Clean Existing Pipe	LFT	31
715-05048	Pipe, Type 4, Circular, 6 in.	LFT	126
715-05053	Pipe, Underdrain, Outlet 6 in.	LFT	4
718-12306	Geotextile for Underdrain, Type IB	SYS	81
720-04499	Inlet Reconstruct	Lft	3
720-44015	Casting, 2, Furnish and Adjust to Grade, ADA Compliant	Each	1
720-44025	Casting, 4, Furnish and Adjust to Grade	Each	2
720-45035	Inlet, F7	Each	2
720-45045	Inlet, J10	Each	4
732-11770	Aggregate for Drainage Fill	CYS	19
732-11810	Modular Block Wall	SFT	331
732-11811	Modular Block Wall Erection	SFT	331
801-06775	Maintaining Traffic	Lsum	1
802-05701	Sign, Post, Square Type 1, Reinforced Anchor Base	LFT	23
802-07060	Sign, Sheet, Relocate	Each	2
808-05866	Pavement Message Marking Remove	SYS	6
808-06368	Transverse Marking, Remove	Lft	37
808-06703	Line, Thermoplastic, Solid, White, 4 in.	Lft	341
808-06716	Line, Remove, 4 in.	Lft	2547
808-11493	Line, Thermoplastic, Dotted, White, 4 in.	Lft	87
808-75245	Line, Thermoplastic, Solid, Yellow, 4 in.	Lft	2302
808-75260	Transverse Marking, Thermoplastic, Crosshatch, White, 12 in.	Lft	46
808-75297	Transverse Marking, Thermoplastic, Stop Line, White, 24 in.	Lft	36
808-75300	Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.	Lft	102
808-75320	Pavement Message Marking, Thermoplastic, Lane Indication Arrow	Each	6
808-75998	Snowplowable Raised Pavement Marker, Blue	Each	3



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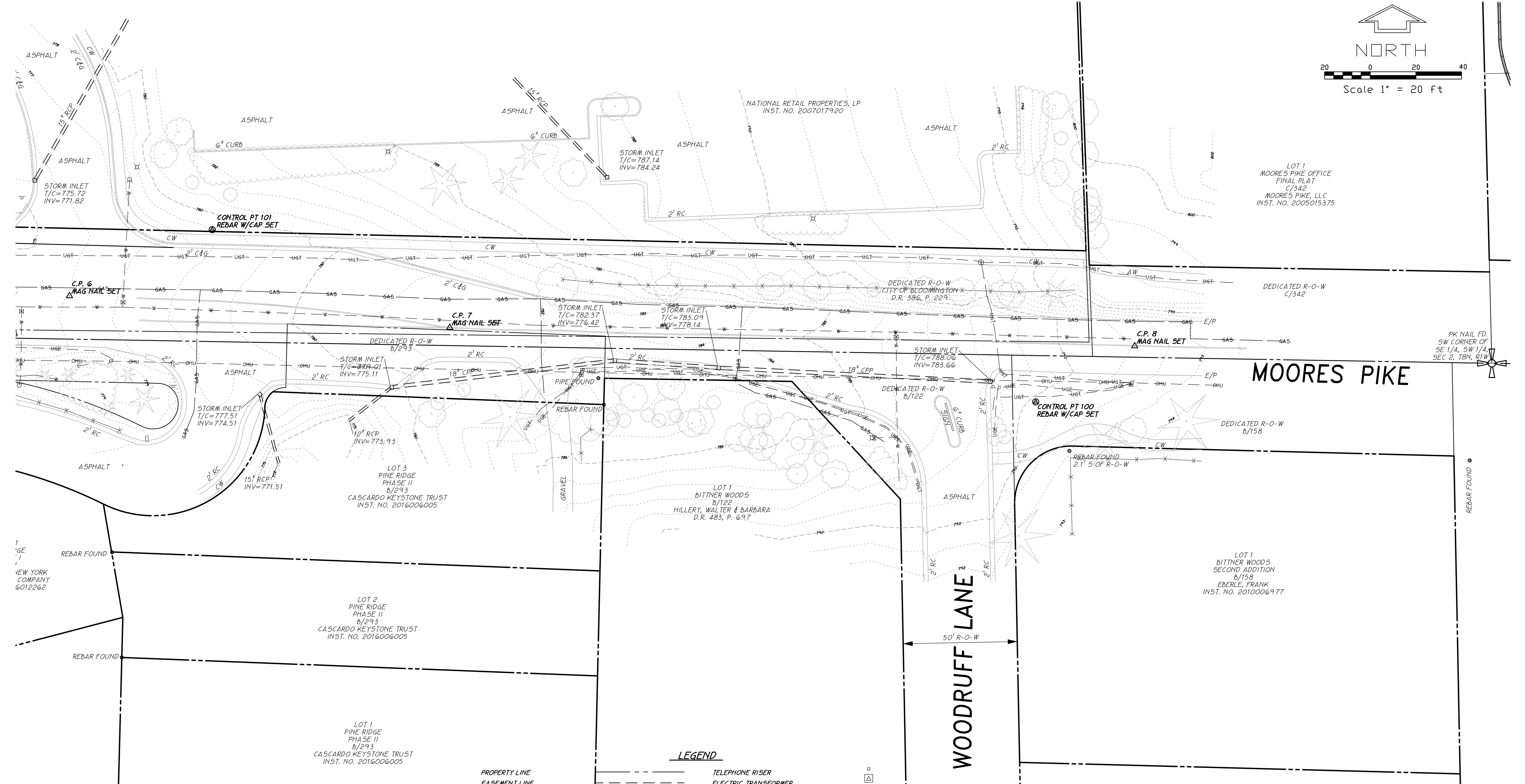
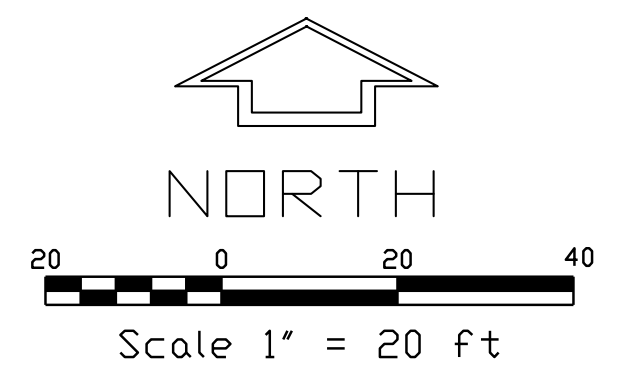
8790 PURDUE ROAD
INDIANAPOLIS, IN 46268-6128
PHONE: (317) 298-4500

RECOMMENDED FOR APPROVAL: *LNB* DESIGN ENGINEER 7/15/2019 DATE
DESIGNED: RCC 7/15/2019 DRAWN: RCC 7/15/2019
CHECKED: LNB 7/15/2019 CHECKED: LNB 7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

MOORES PIKE SIDEWALK PROJECT
QUANTITY SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	3 of 32 PROJECT



SITE CONTROL

100, N=1421751.9529, E=3119567.9307, ELEV=790.21
 101, N=1421827.3867, E=3119207.2525, ELEV=778.87
 102, N=1421769.1859, E=3118805.4936, ELEV=754.50

SURVEY DATUM IS BASED ON INCORS NETWORK (INDIANA CONTINUOUSLY OPERATING REFERENCE STATION NETWORK) AND IS IN THE STATE PLANE COORDINATE SYSTEM. ELEVATION DATUM IS ALSO BASE ON THIS DATUM.

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 7, N=1421784.5026, E=3119311.2902, cp mag
 8, N=1421776.4508, E=3119611.2881, cp mag

LEGEND

PROPERTY LINE	---	TELEPHONE RISER	□
EASEMENT LINE	- - -	ELECTRIC TRANSFORMER	△
FENCE	X - X	STORM BASIN	□
OVERHEAD UTILITIES	- - -	WATER VALVE	⊕
OVERHEAD ELECTRIC LINE	- - E - -	SIGN	⊗
UNDERGROUND ELECTRIC LINE	- - UGE - -	AREA LIGHT	⊙
UNDERGROUND GAS LINE	- - GAS - -	SANITARY SEWER CLEAN OUT	⊕
UNDERGROUND TELEPHONE LINE	- - UGT - -	CABLE T.V. BOX	⊙
WATER LINE	- - W - -	GAS METER	⊕
SANITARY SEWER LINE	- - S - -	LANDSCAPE AREA	L.S.
DEED RECORD BOOK AND PAGE	XXX/XXX	INGRESS AND EGRESS EASEMENT	I. & E.
5/8" REBAR WITH CAP SET	○ S	DRAINAGE AND UTILITY EASEMENT	D. & E.
MAG NAIL SET	○ MN	UTILITY POLE ANCHOR	←
RECORD	R	ANTENNA	△
MEASURED	M	MAIL BOX	□
RIGHT-OF-WAY	ROW	AIR CONDITIONING PAD	AC
UTILITY POLE	⊕	CONCRETE WALK	CW
FIRE HYDRANT	⊕	ASPHALT WALK	AW
ELECTRIC METER	⊕	2" CONCRETE ROLL CURB	2"RC
WATER METER	⊕	2" CONCRETE CURB & GUTTER	2" C&G
REINFORCED CONCRETE PIPE	RCP	6" CONCRETE CURB	6" CURB
CORRUGATED PLASTIC PIPE	CPP	CORRUGATED METAL PIPE	CMP

UTILITY CONTACT INFORMATION

GAS VECTREN 205 S. MADISON ST. BLOOMINGTON, IN 47401 DOUG ANDERSON (812)330-4009	SEWER AND WATER CITY OF BLOOMINGTON UTILITIES 600 E. MILLER DR. BLOOMINGTON, IN 47402 NANCY AXSDOM (812)349-3689	ELECTRIC DUKE ENERGY 1619 W. DEFFENBAUGH ROAD KOKOMO, INDIANA 46902 JIM SHIELDS (317)375-2071
TELEPHONE AT&T P.O. BOX 56 BLOOMINGTON, IN 47402 BRENT McCABE (812)334-4521	CABLE TELEVISION COMCAST 2450 SOUTH HENDERSON STREET BLOOMINGTON, IN 47404 SCOTT TEMPLETON (812)355-7822	UNDERGROUND UTILITY LOCATION INDIANA UNDERGROUND PLANT PROTECTION 1-(800)382-5544

Plan Sheet 4 of 31

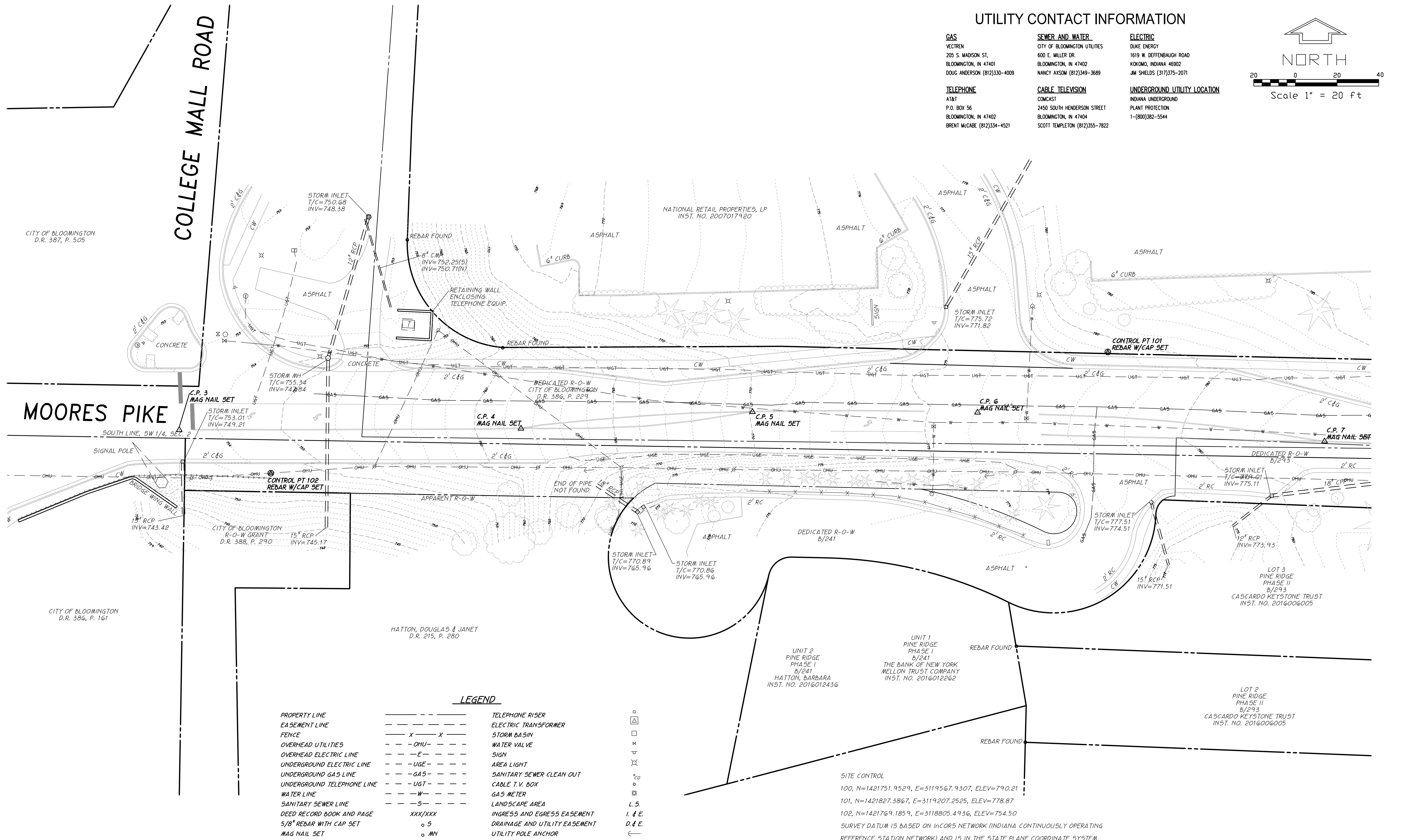
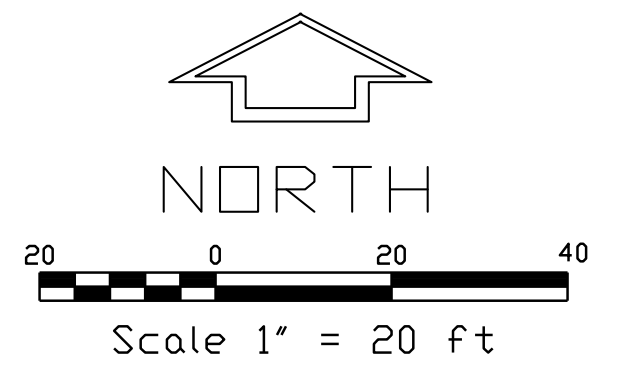
**MOORES PIKE
EXISTING TOPOGRAPHY
FOR WALK CONST.**

EAST END

DRAWING NO. 5016107
SHEET 1 OF 2

UTILITY CONTACT INFORMATION

GAS VECTREN 205 S. MADISON ST. BLOOMINGTON, IN 47401 DOUG ANDERSON (812)330-4009	SEWER AND WATER CITY OF BLOOMINGTON UTILITIES 600 E. MILLER DR. BLOOMINGTON, IN 47402 NANCY AXSON (812)349-3689	ELECTRIC DUKE ENERGY 1619 W. DEFFENBAUGH ROAD KOKOMO, INDIANA 46902 JM SHIELDS (317)375-2071
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LEGEND

PROPERTY LINE	---	TELEPHONE RISER	□
EASEMENT LINE	- - - - -	ELECTRIC TRANSFORMER	△
FENCE	X - X	STORM BASIN	□
OVERHEAD UTILITIES	- OHU -	WATER VALVE	+
OVERHEAD ELECTRIC LINE	- E -	SIGN	⊗
UNDERGROUND ELECTRIC LINE	- UGE -	AREA LIGHT	⊙
UNDERGROUND GAS LINE	- GAS -	SANITARY SEWER CLEAN OUT	⊖
UNDERGROUND TELEPHONE LINE	- UGT -	CABLE T.V. BOX	⊕
WATER LINE	- W -	GAS METER	⊗
SANITARY SEWER LINE	- S -	LANDSCAPE AREA	L.S.
DEED RECORD BOOK AND PAGE	XXX/XXX	INGRESS AND EGRESS EASEMENT	I. & E.
5/8" REBAR WITH CAP SET	o S	DRAINAGE AND UTILITY EASEMENT	D. & E.
MAG NAIL SET	o MN	UTILITY POLE ANCHOR	←
RECORD	R	ANTENNA	△
MEASURED	M	MAIL BOX	⊖
RIGHT-OF-WAY	ROW	AIR CONDITIONING PAD	AC□
UTILITY POLE	⊙	CONCRETE WALK	CW
FIRE HYDRANT	⊕	ASPHALT WALK	AW
ELECTRIC METER	⊕	2' CONCRETE ROLL CURB	2'RC
WATER METER	⊕	2' CONCRETE CURB & GUTTER	2' C&G
REINFORCED CONCRETE PIPE	RCP	6" CONCRETE CURB	6" C&G
CORRUGATED PLASTIC PIPE	CPP	CORRUGATED METAL PIPE	CMP

SITE CONTROL
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 102, N=1421769.1859, E=3118805.4936, ELEV=754.50
 SURVEY DATUM IS BASED ON INCORS NETWORK (INDIANA CONTINUOUSLY OPERATING REFERENCE STATION NETWORK) AND IS IN THE STATE PLANE COORDINATE SYSTEM. ELEVATION DATUM IS ALSO BASE ON THIS DATUM.
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 7, N=1421784.5026, E=3119311.2902, cp mag
 8, N=1421776.4508, E=3119611.2881, cp mag

Plan Sheet 5 of 31

**MOORES PIKE
EXISTING TOPOGRAPHY
FOR WALK CONST.**

WEST END

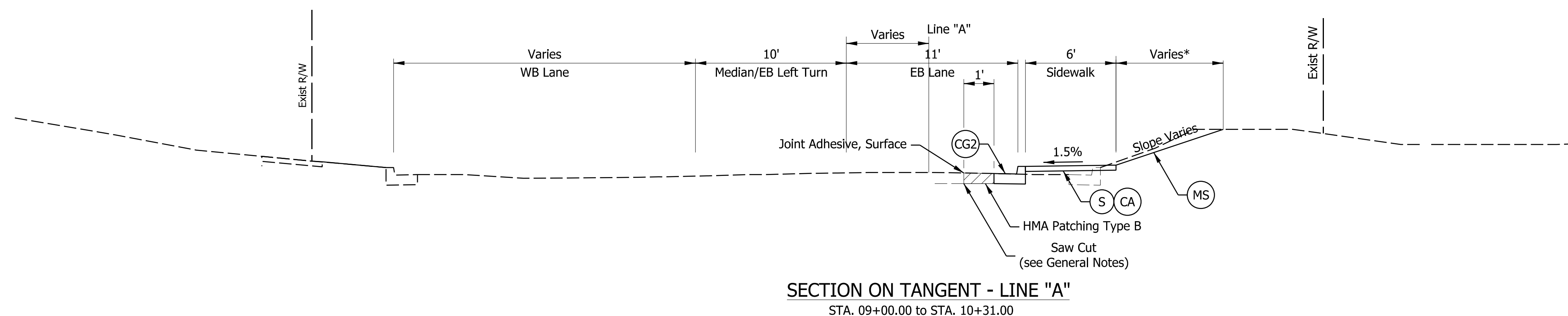
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SHEET 2 OF 2

LEGEND

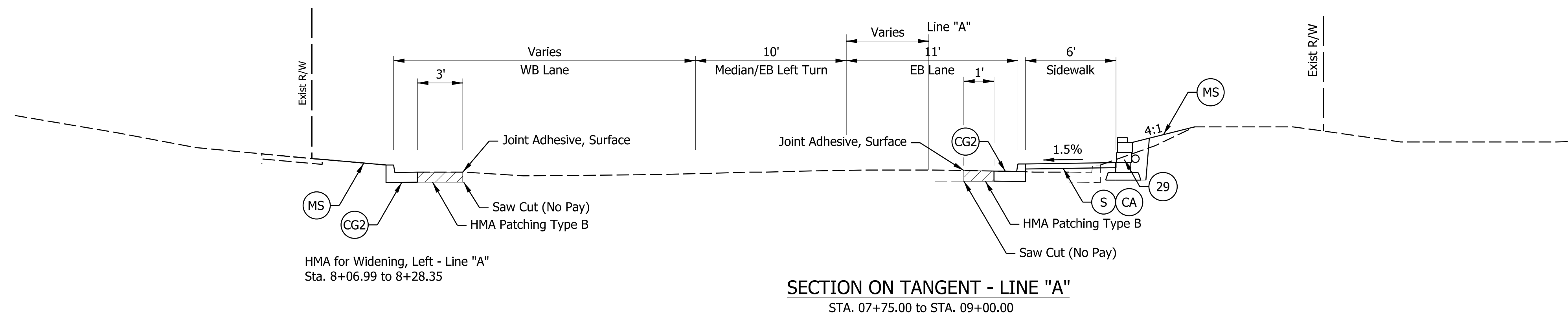
- (CA) Compacted Aggregate, No. 53, Base
- (S) Sidewalk, Concrete, 4 In. on 4 In. Compacted Aggregate, No 53, Base
- (MS) Mulched Seeding with Special Topsoil
- (CG2) Modified Combined Curb and Gutter
- (R2) Widening with HMA, Type C
165 #/sys HMA Surface, Type C
1100 #/sys HMA Base, Type C

NOTES

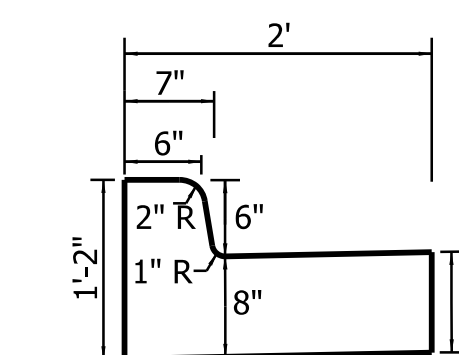
1. Where sidewalk is constructed immediately adjacent to non-monolithic curb, the surface of the sidewalk shall be constructed 1/2" higher than the top of the curb.
2. Patching to match the existing road surface shall be with materials and thickness matching the adjacent pavement. (Conc. or Asphalt) this is a pay item. The cost of which is to be paid for in the bid item "HMA Patching, Type B".
3. Asphalt pavement patching shall be sealed with approved Joint Adhesive at the cut edge.



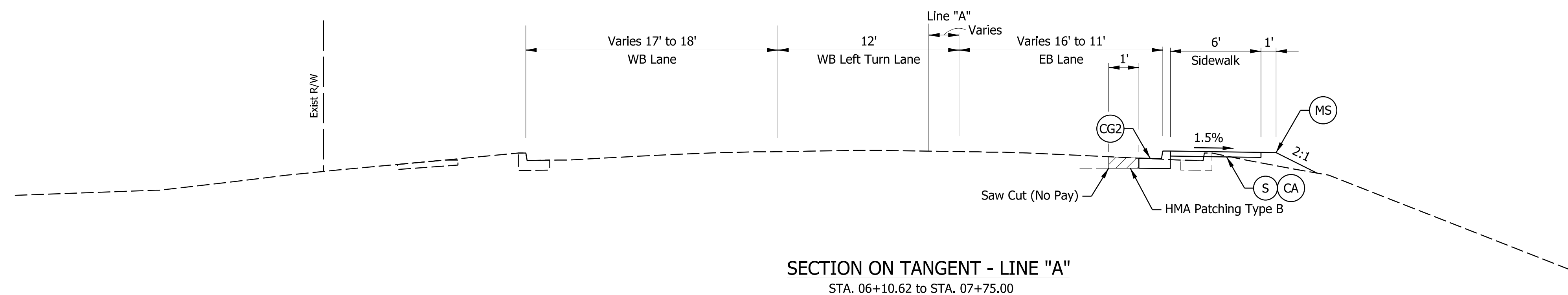
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STA. 09+00.00 to STA. 10+31.00



SECTION ON TANGENT - LINE "A"
STA. 07+75.00 to STA. 09+00.00

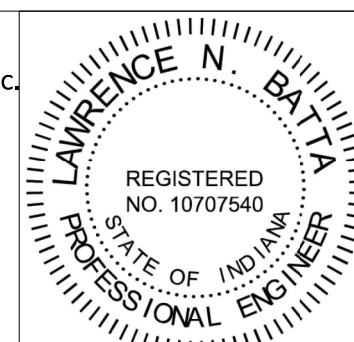


Modified Combined Concrete Curb and Gutter
Concrete
N.T.S.



SECTION ON TANGENT - LINE "A"
STA. 06+10.62 to STA. 07+75.00

CMT
Engineers and Consultants
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8790 PURDUE ROAD
INDIANAPOLIS, IN 46268-6128
PHONE: (317) 298-4500



RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	DRAWN:	RCC
CHECKED:	LNB	CHECKED:	LNB

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT
MOORES PIKE SIDEWALK PROJECT
TYPICAL SECTION

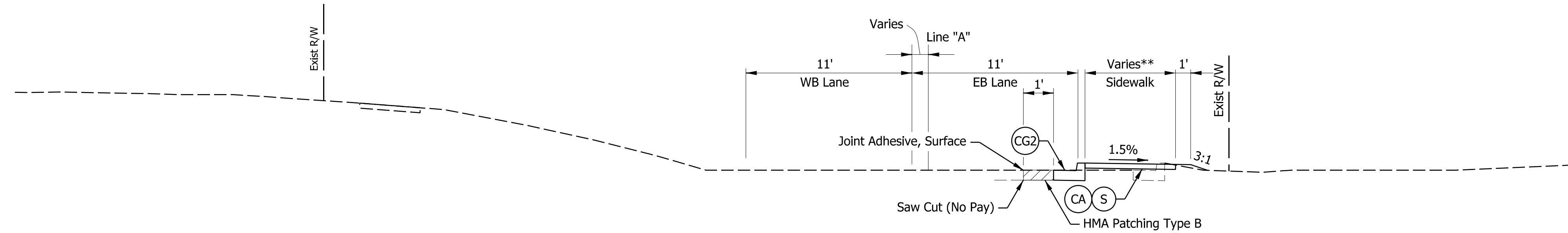
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	6 of 32
	PROJECT

LEGEND

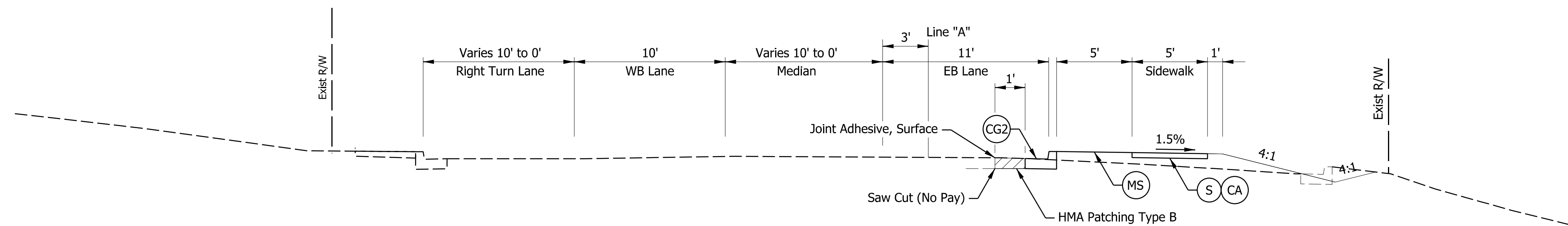
- (CA) Compacted Aggregate, No. 53, Base
- (S) Sidewalk, Concrete, 4 In. on 4 In. Compacted Aggregate, No 53, Base
- (MS) Mulched Seeding with Special Topsoil
- (CG2) Modified Combined Curb and Gutter
- (R2) Widening with HMA, Type C
165 #/sys HMA Surface, Type C
1100 #/sys HMA Base, Type C

NOTES

1. Where sidewalk is constructed immediately adjacent to non-monolithic curb, the surface of the sidewalk shall be constructed 1/2" higher than the top of the curb.
2. Patching to match the existing roadsurface shall be with materials and thickness matching the adjacent pavement. (Conc. or Asphalt) this is a pay item. The cost of which is to be paid for in the bid item "HMA Patching, Type B".
3. Asphalt pavement patching shall be sealed with approved seam sealer at the cut edge.



SECTION ON TANGENT - LINE "A"
STA. 11+71.96 to STA. 13+44.05

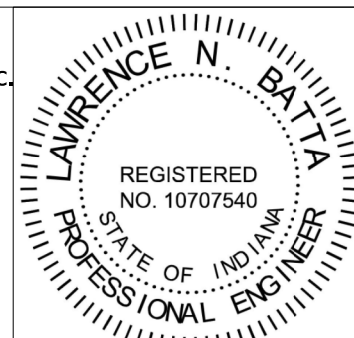


SECTION ON TANGENT - LINE "A"
STA. 10+31.00 to STA. 11+71.95



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PHONE: (317) 298-4500

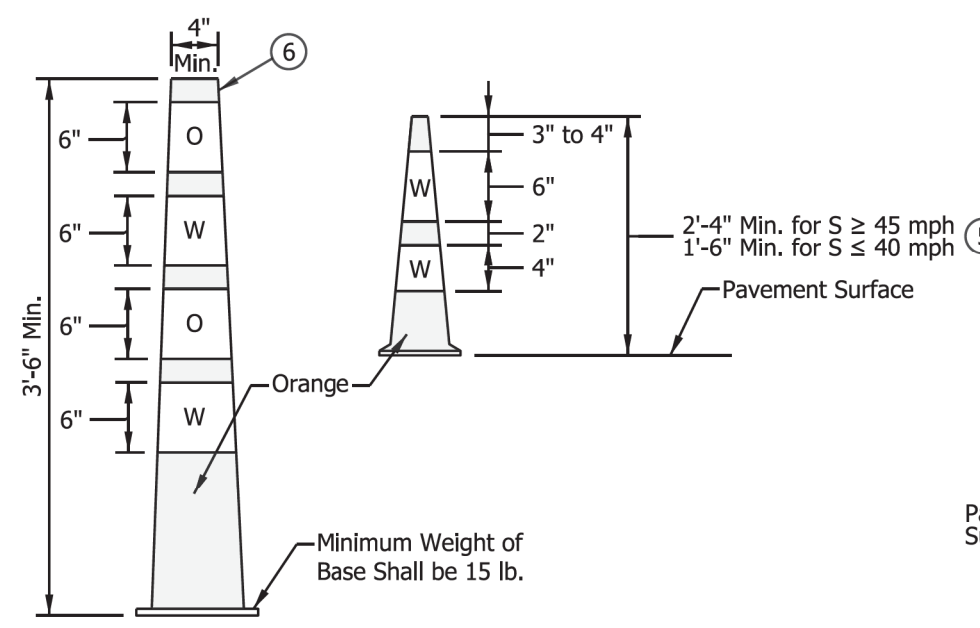


RECOMMENDED FOR APPROVAL	<i>L.N. Batia</i>	DESIGN ENGINEER	7/15/2019		
DESIGNED:	RCC	7/15/2019	DRAWN:	RCC	7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED:	LNB	7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

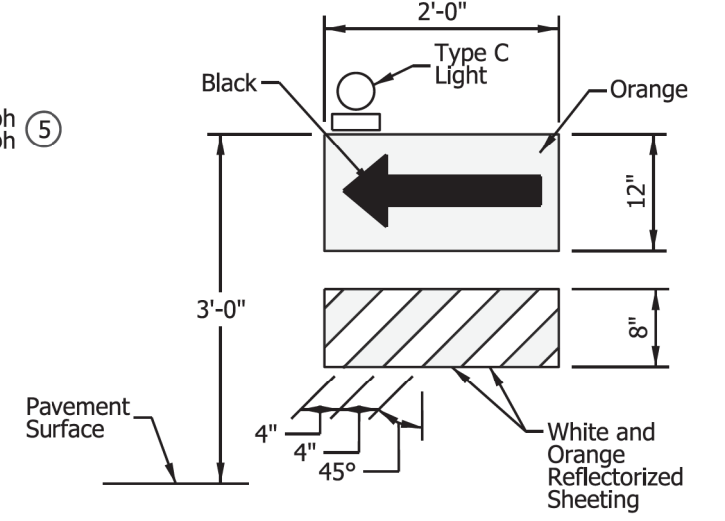
MOORES PIKE SIDEWALK PROJECT
TYPICAL SECTION

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	7 of 32
CONTRACT	PROJECT



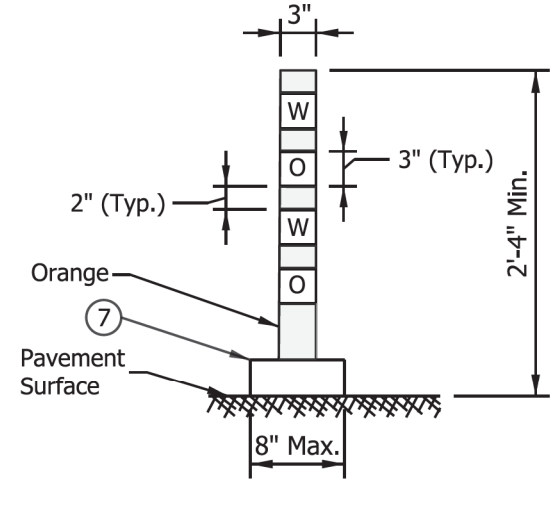
CONE

Use: O X ● X



DIRECTION INDICATOR BARRICADE

Use: X

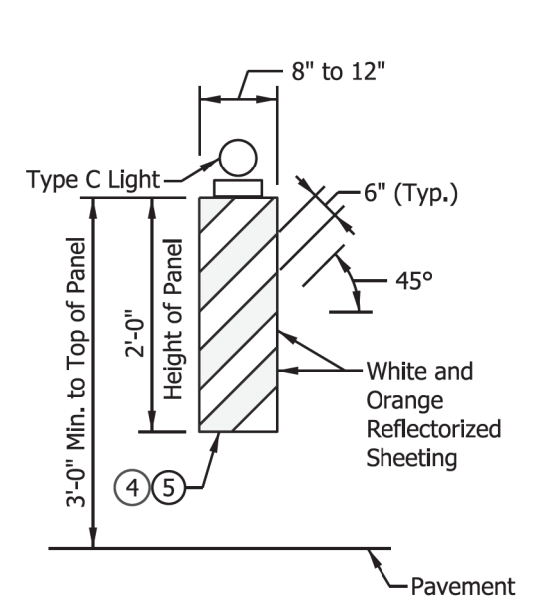


FLEXIBLE TUBULAR MARKER

Use: O ● X

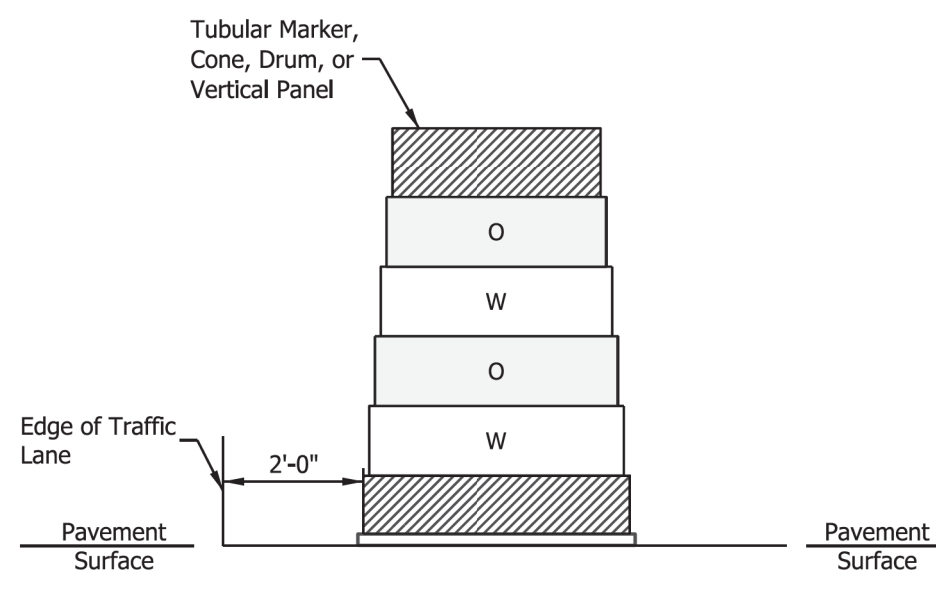
NOTES:

- For additional notes and legends see Standard Drawing E 801-TCLG-01 or E 801-TCMV-01.
 - A Type C warning light will be required on tapers where there is a reduction in the number of lanes and a flashing arrow sign is used.
 - ReflectORIZED bands may be omitted from cones for lane closures during daylight hours.
 - For vertical panels equal to or greater than 3 ft in height, the width of the stripes shall be 6 in.
 - Vertical panels used on an expressway or freeway shall have a minimum reflective panel area of 270 sq. in. Other roadways with a posted speed limit of 50 mph or greater shall have a minimum reflective panel area of 270 sq. in., also.
 - The maximum distance between the edges of adjacent reflective sheeting strips shall be 2 in.
 - Minimum flexible tubular marker base area shall be 0.3 sq. ft.
- W = White Reflective Sheeting
O = Orange Reflective Sheeting

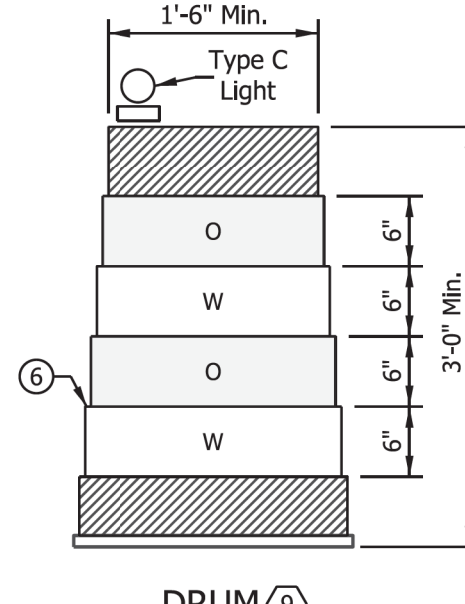


VERTICAL PANEL

Use: O ● X



PLACEMENT OF CHANNELIZING DEVICES



DRUM

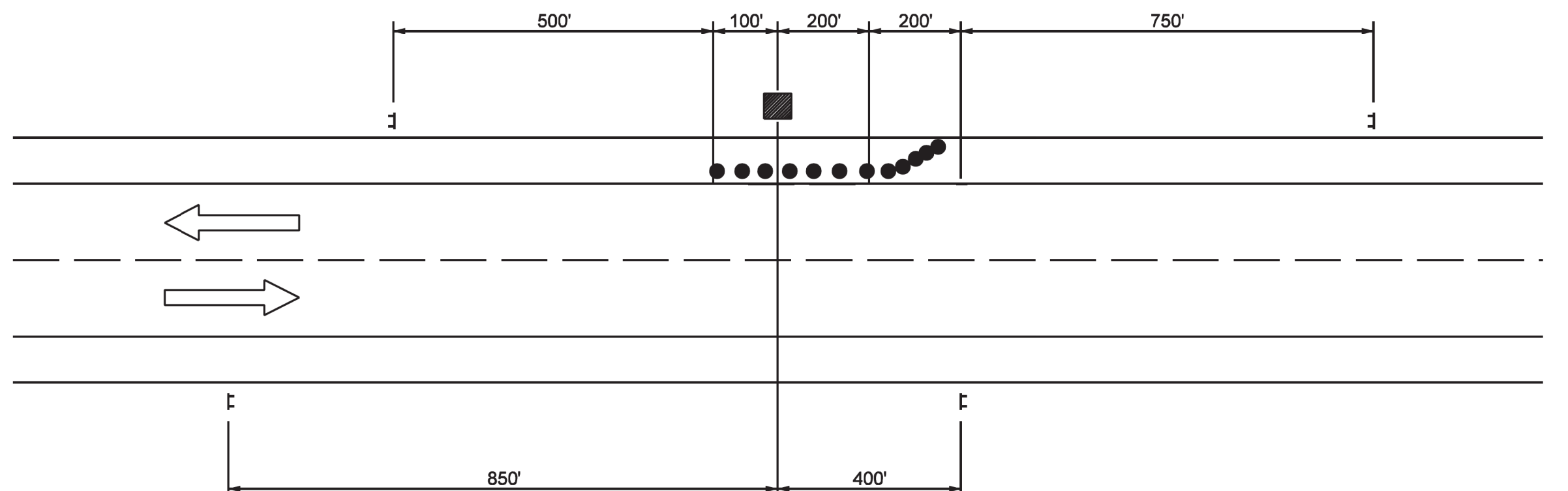
Use: O X

INDIANA DEPARTMENT OF TRANSPORTATION
CHANNELIZING DEVICES
SEPTEMBER 2016
STANDARD DRAWING NO. E 801-TCMV-02

	/s/ David H. Boruff DESIGN STANDARDS ENGINEER	06/25/15 DATE
	/s/ Mark A. Miller CHIEF ENGINEER	07/02/15 DATE

GENERAL NOTES

- See Standard Drawing E 801-TCLG-01 for Legend and General Notes.



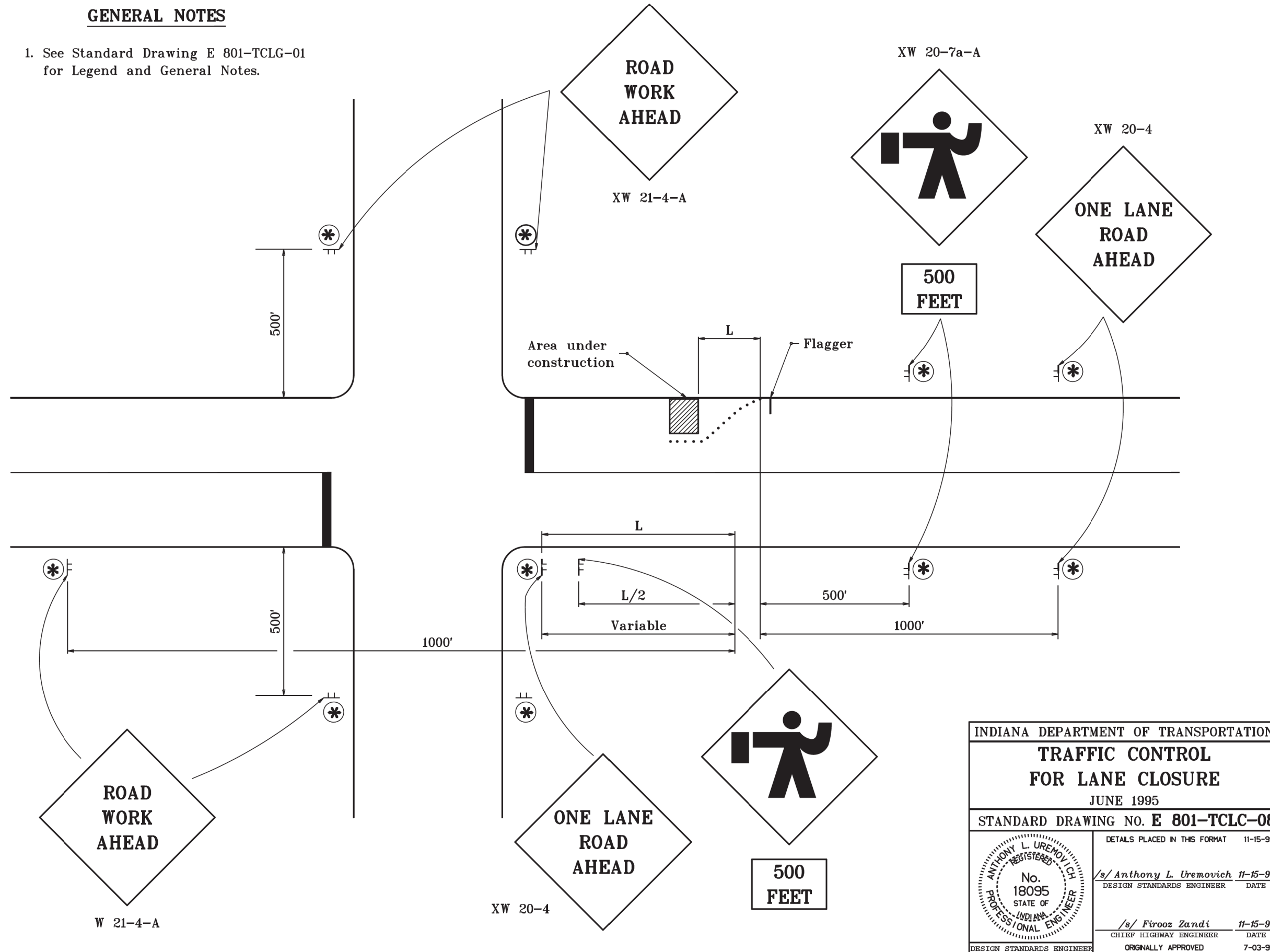
2 LANE 2 WAY HIGHWAY

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL FOR SHOULDER WORK
SEPTEMBER 2002
STANDARD DRAWING NO. E 801-TCLG-07

	/s/ Richard L. VanCleave DESIGN STANDARDS ENGINEER	9/03/02 DATE
	/s/ Richard K. Sauter CHIEF HIGHWAY ENGINEER	9/03/02 DATE

GENERAL NOTES

- See Standard Drawing E 801-TCLG-01 for Legend and General Notes.

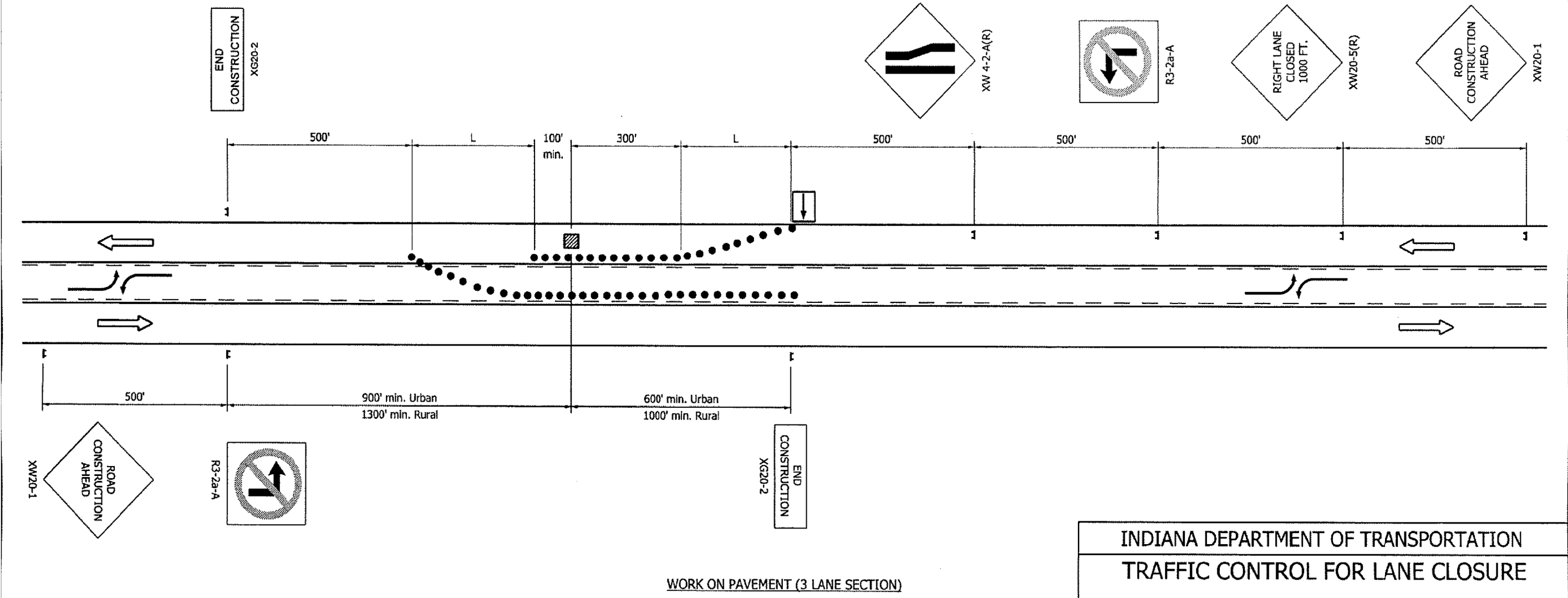


INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL FOR LANE CLOSURE
JUNE 1995
STANDARD DRAWING NO. E 801-TCLC-08

	/s/ Anthony L. Uremovich DESIGN STANDARDS ENGINEER	11-05-09 DATE
	/s/ Pinar Sanci CHIEF HIGHWAY ENGINEER	11-05-09 DATE

NOTES

- See Standard Drawing E 801-TCLG-01 for Legend and General Notes.



WORK ON PAVEMENT (3 LANE SECTION)

INDIANA DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL FOR LANE CLOSURE
SEPTEMBER 2009
STANDARD DRAWING NO. E 801-TCLC-09

	/s/ Richard L. VanCleave DESIGN STANDARDS ENGINEER	09/01/09 DATE
	/s/ Mark A. Miller CHIEF HIGHWAY ENGINEER	09/01/09 DATE

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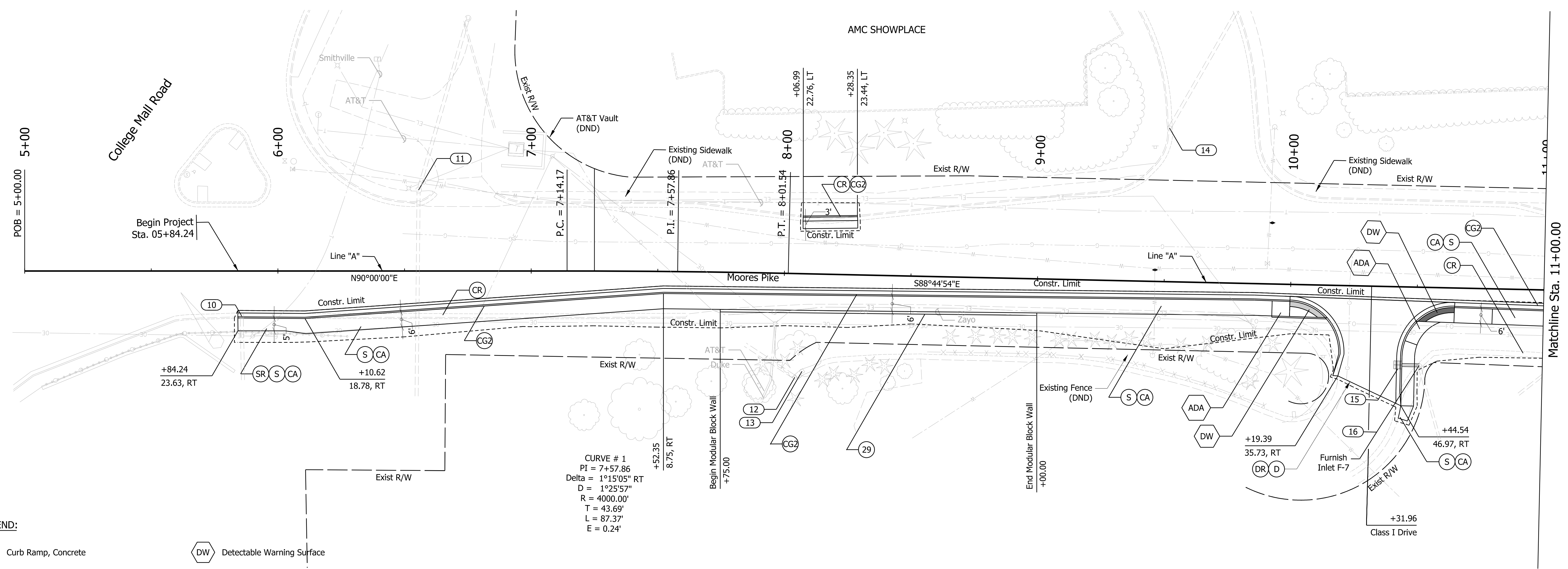
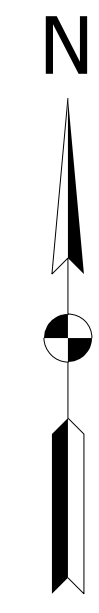
8790 PURDUE ROAD
INDIANAPOLIS, IN 46268-6128
PHONE: (317) 298-4500

RECOMMENDED FOR APPROVAL	<i>L.V. Bath</i>	DESIGN ENGINEER	7/15/2019	DATE
DESIGNED:	RCC	7/15/2019	DRAWN:	RCC
CHECKED:	LNB	7/15/2019	CHECKED:	LNB

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

MOORES PIKE SIDEWALK PROJECT
MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	8 of 32
	PROJECT



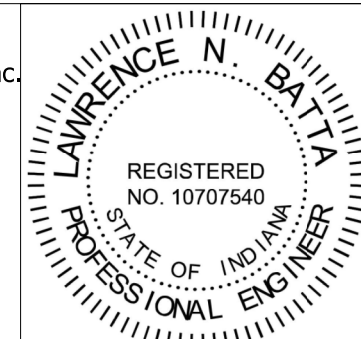
- LEGEND:**
- ADA Curb Ramp, Concrete
 - CA Compacted Aggregate, No. 53, Base
 - CG2 Modified Combined Curb and Gutter
 - MS Mulched Seeding With Special Topsoil
 - S Sidewalk, Concrete, 4 In. on 4" Compacted Aggregate, 0, No53
 - SR Sidewalk Removal (All Types)
 - DW Detectable Warning Surface
 - CR Curb Removal
 - DR Driveway Removal
 - D PCCP for Approaches, 6 In.
 - 29 Modular Block Wal
 - DND Do Not Disturb

Geometric Ties of Line "A"

Sta. 05+00.00	N: 1421792.56	E: 3118677.43
Sta. 07+57.86	N: 1421792.56	E: 3118677.43
Sta. 16+00.00	N: 1421774.17	E: 3119777.24



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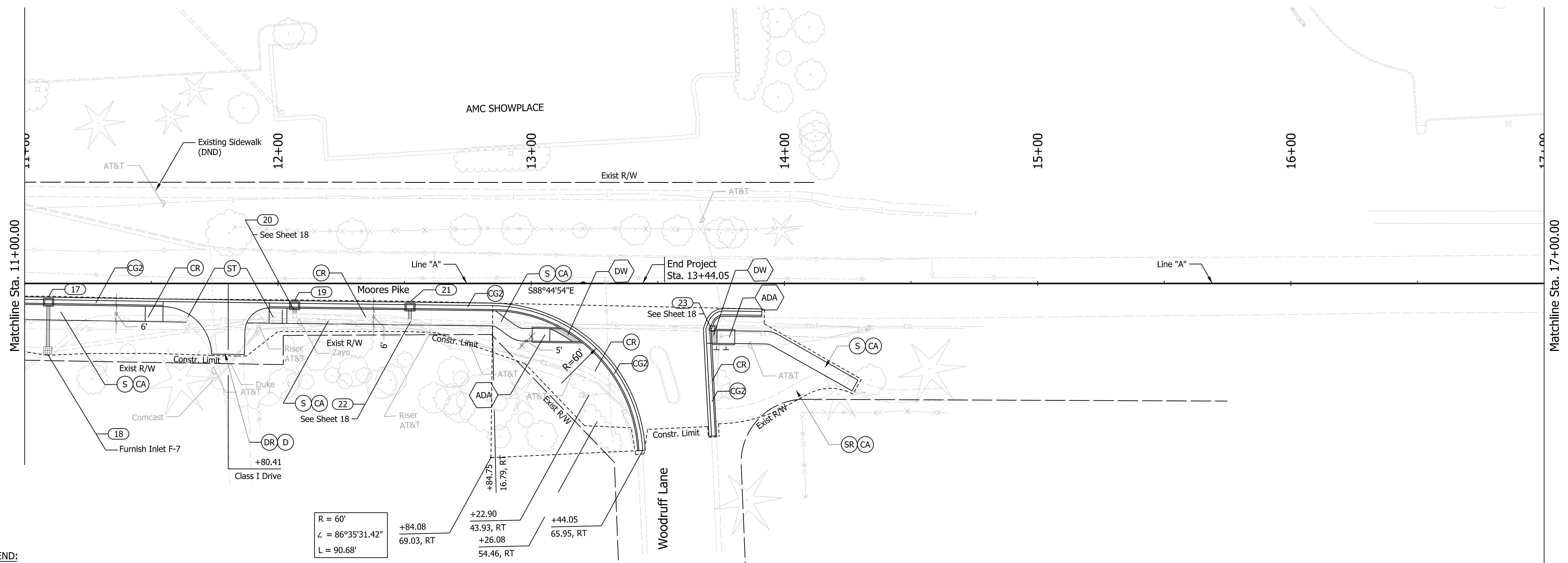
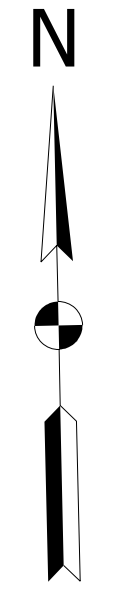
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RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	9 of 32
	PROJECT



+84.08
69.03, RT

+22.90
43.93, RT

+26.08
54.46, RT

+44.05
65.95, RT

+84.75
16.79, RT

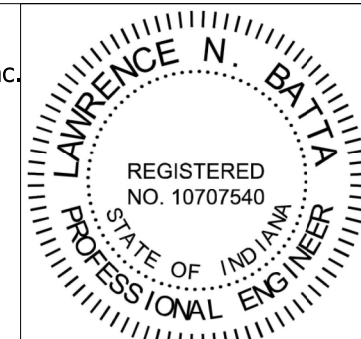
LEGEND:

- ADA Curb Ramp, Concrete
- CA Compacted aggregate No. 53, Base
- CG1 Concrete Roll Curb and Gutter
- CG2 Modified Combined Curb and Gutter
- MS Mulched Seeding With Special Topsoil
- S Sidewalk, Concrete, 4 In. on 4 In. Compacted Aggregate, 0, No53
- SR Sidewalk Removal (All Types)
- DW Detectable Warning Service
- CR Curb Removal
- DR Driveway Removal
- D PCCP for Approaches, 6 In.
- ST Sidewalk Transition (To be Paid as Sidewalk, Concrete, 4 In.)
- DND Do Not Disturb



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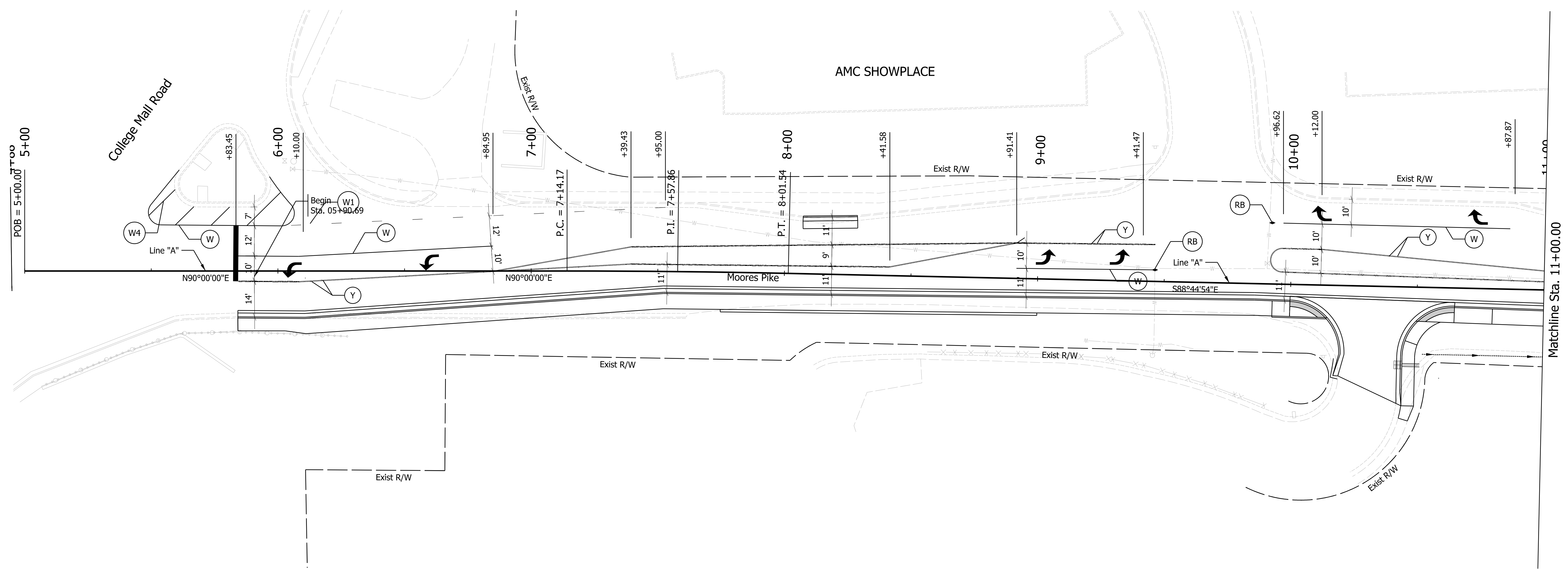
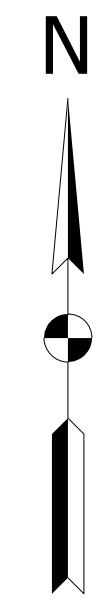


RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	DRAWN:	RCC
CHECKED:	LNB	CHECKED:	LNB

CITY OF BLOOMINGTON
 PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
 PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	10 of 32
	PROJECT



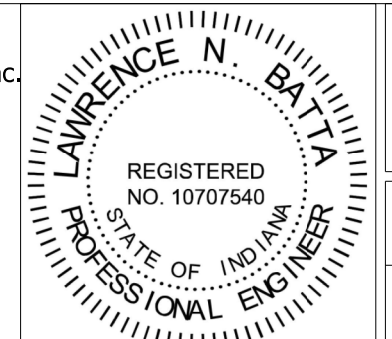
LEGEND:

- (W) Line, Thermoplastic, Solid, White, 4 In.
- (Y) Line, Thermoplastic, Solid, Yellow, 4 In.
- (RB) Snowplowable Raised Pavement Marker, 2-Way Blue
- (W1) Line, Thermoplastic, Broken, White, 4 In.
- (W4) Transverse Marking, Thermoplastic, Cross Hatchline, White, 12 in.



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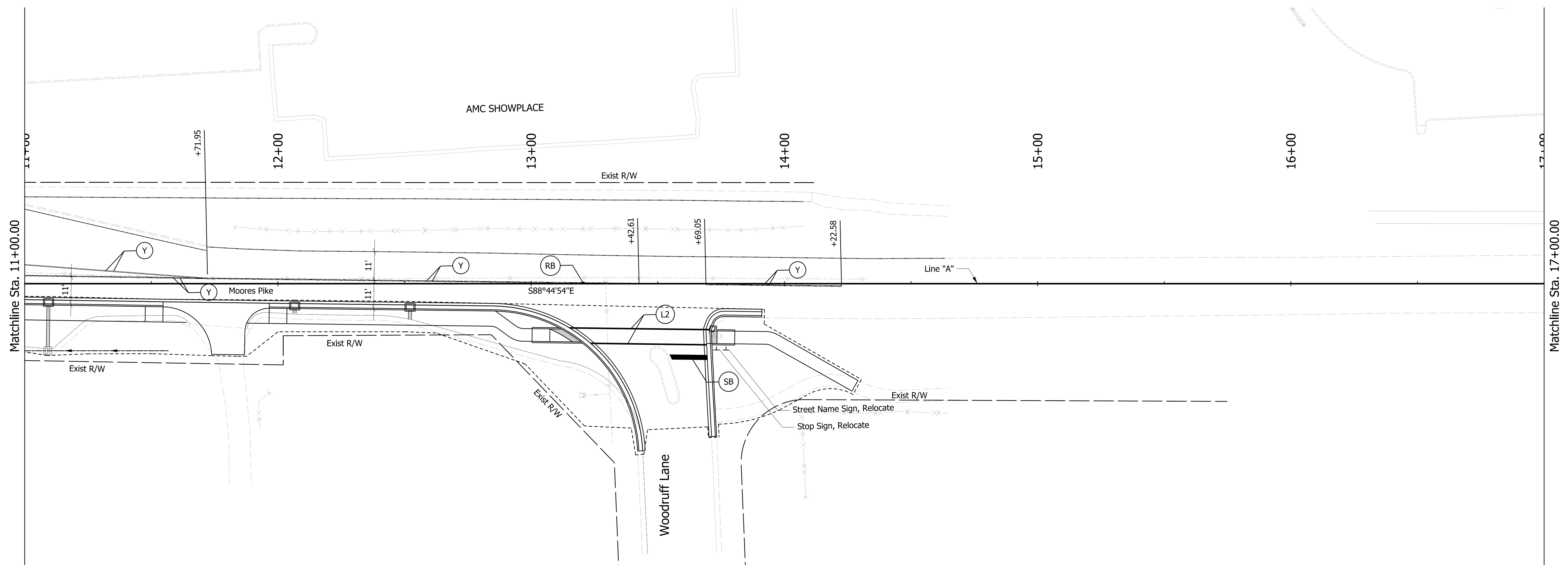
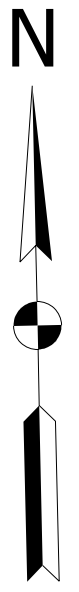


RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	DRAWN:	RCC
CHECKED:	LNB	CHECKED:	LNB

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
SIGN AND STRIPING PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	11 of 32
	PROJECT



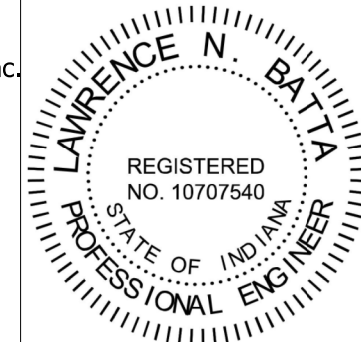
LEGEND:

- (L2) Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 In.
- (SB) Transverse Marking, Thermoplastic, Stop Line, 24 In.
- (W) Line, Thermoplastic, Solid, White, 4 In.
- (Y) Line, Thermoplastic, Solid, Yellow, 4 In.
- (RB) Snowplowable Raised Pavement Marker, 2-Way Blue



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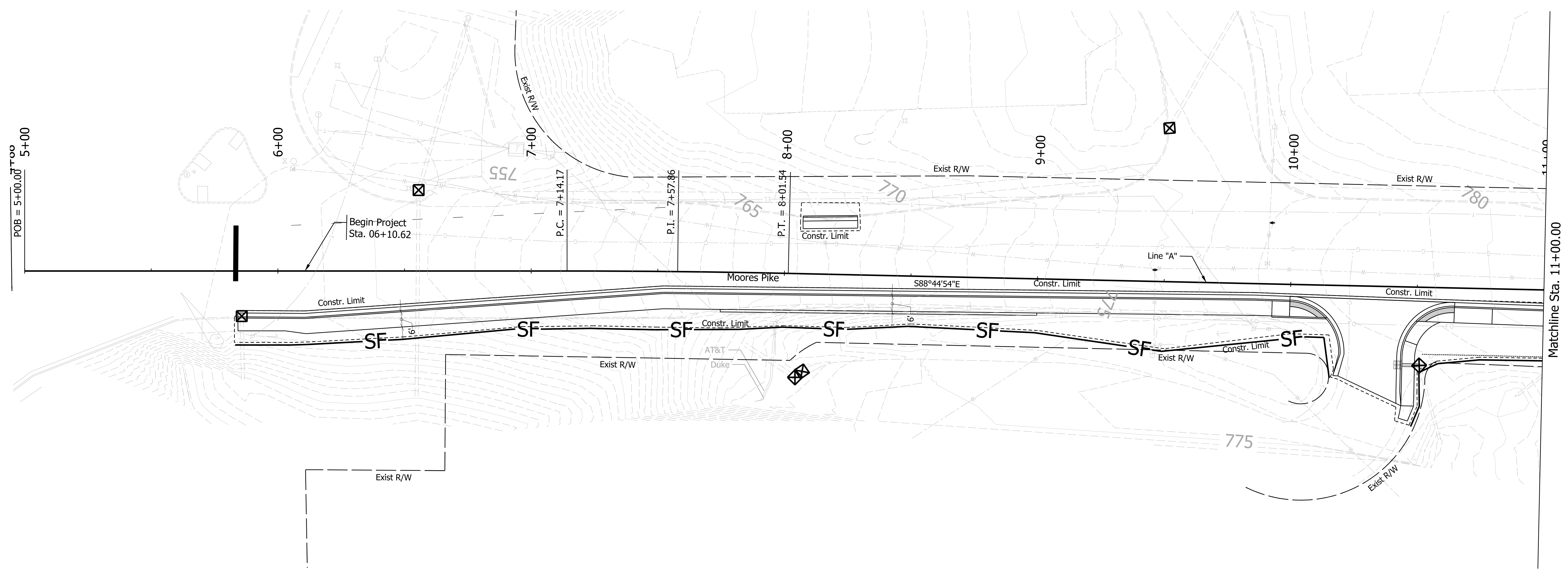
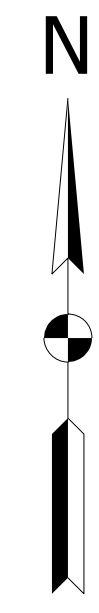


RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	DRAWN:	RCC
CHECKED:	LNB	CHECKED:	LNB

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

MOORES PIKE SIDEWALK PROJECT
SIGN AND STRIPING PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	12 of 32
	PROJECT

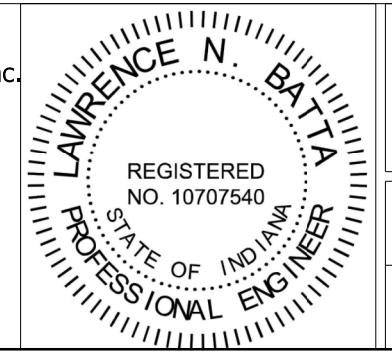


- LEGEND:**
- Temporary Inlet Protection
 - Temporary Silt Fence

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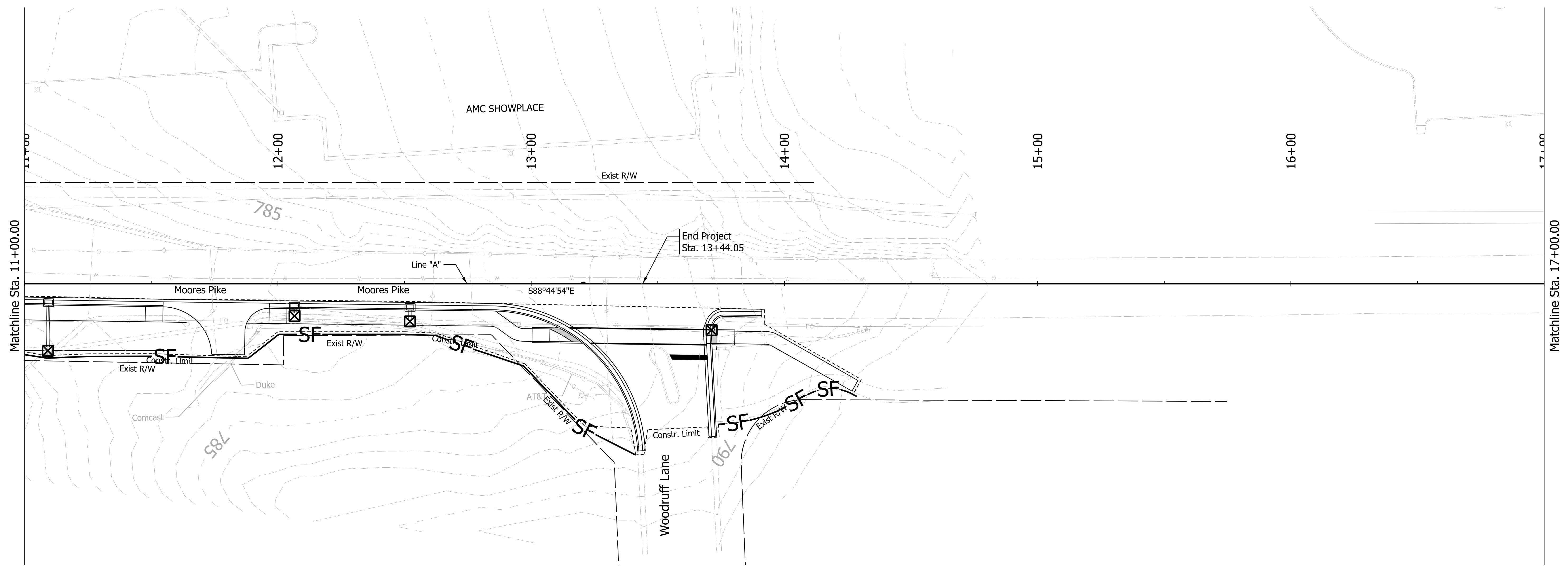
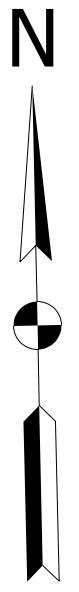




RECOMMENDED FOR APPROVAL	<i>LNB</i>	DATE	7/15/2019
DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

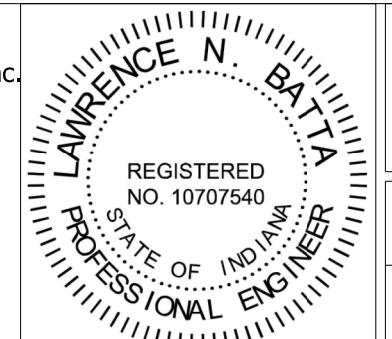
**MOORES PIKE SIDEWALK PROJECT
EROSION CONTROL PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	13 of 32
	PROJECT



- LEGEND:**
-  Temporary Inlet Protection
 -  Temporary Silt Fence

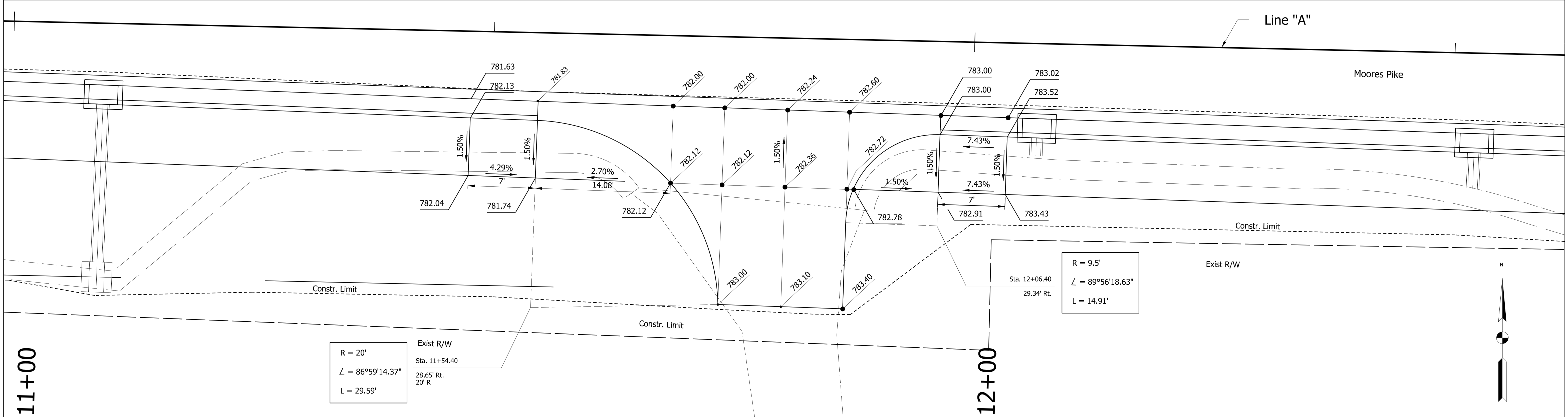
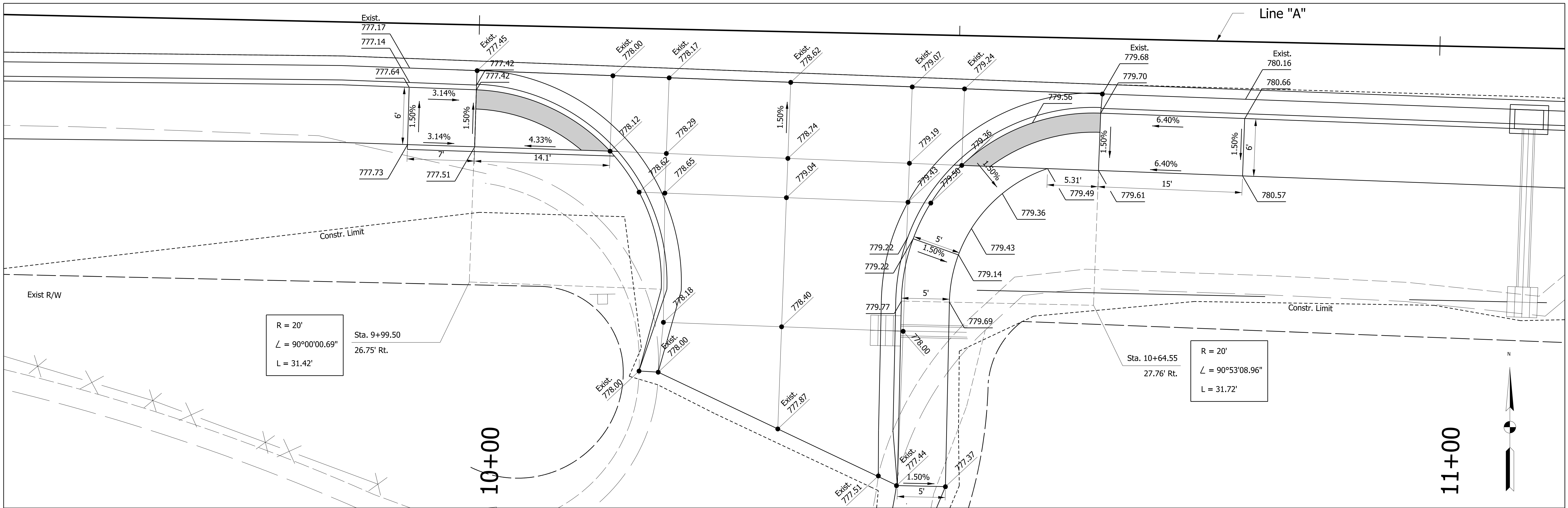
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 PHONE: (317) 298-4500



RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	DRAWN:	RCC
CHECKED:	LNB	CHECKED:	LNB

CITY OF BLOOMINGTON
 PLANNING AND TRANSPORTATION DEPARTMENT
 MOORES PIKE SIDEWALK PROJECT
 EROSION CONTROL

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	14 of 32
	PROJECT



11+00	$R = 20'$ $\angle = 86^{\circ}59'14.37''$ $L = 29.59'$	Exist R/W Sta. 11+54.40 28.65' Rt. 20' R

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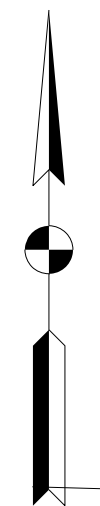
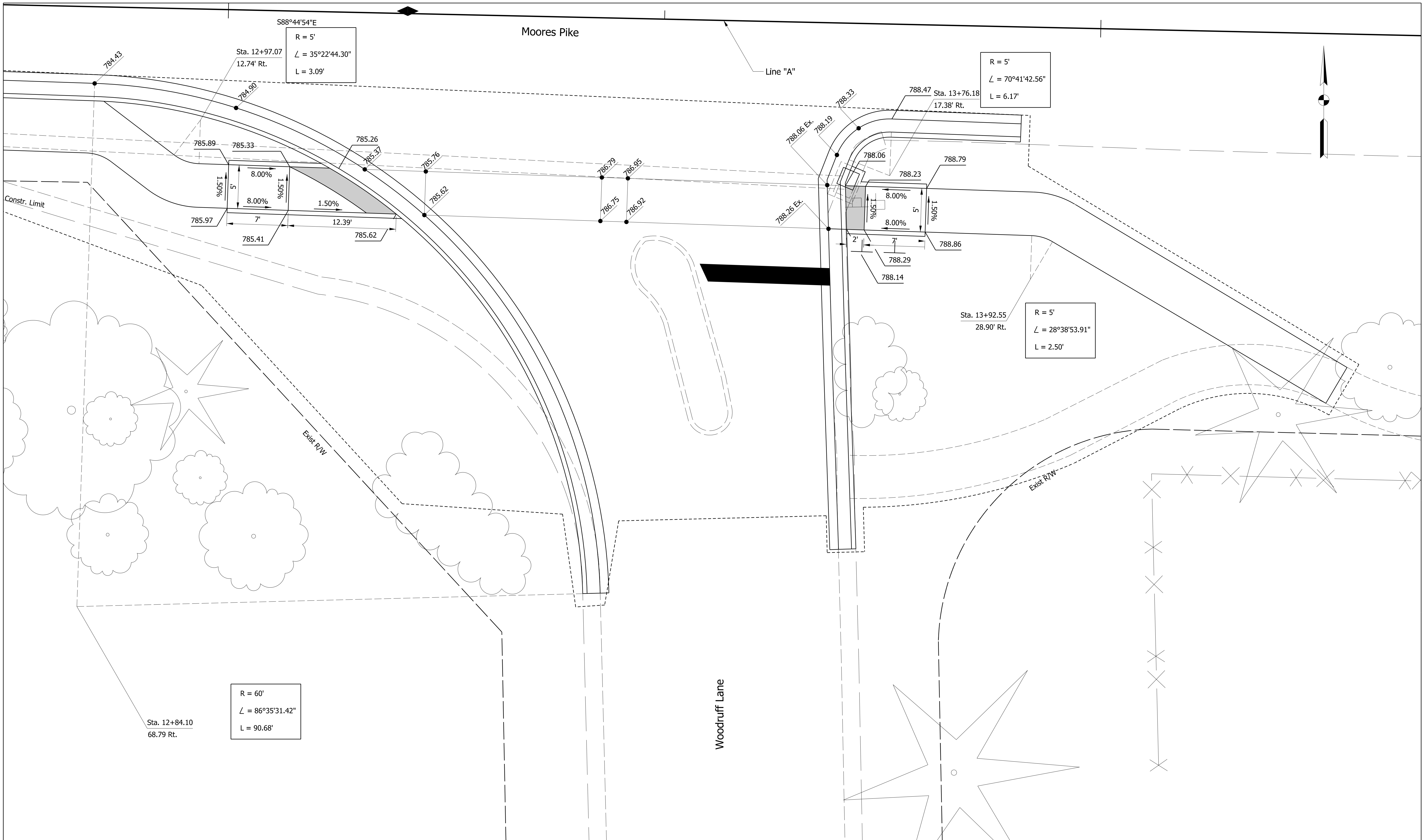
LAWRENCE N. BATH
REGISTERED
NO. 10707540
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
			DATE
DESIGNED:	RCC	7/15/2019	DRAWN:
			RCC
			7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED:
			LNB
			7/15/2019

CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
INTERSECTION DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	15 of 32
CONTRACT	PROJECT



Sta. 12+84.10
68.79 Rt.

R = 60'
∠ = 86°35'31.42"
L = 90.68'

S88°44'54"E
R = 5'
∠ = 35°22'44.30"
L = 3.09'

Sta. 12+97.07
12.74' Rt.

R = 5'
∠ = 70°41'42.56"
L = 6.17'

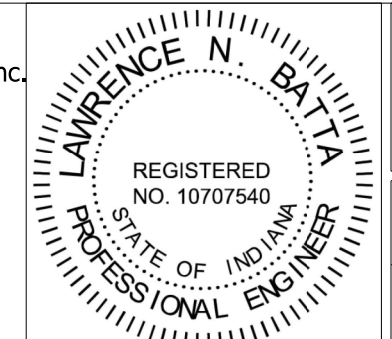
Sta. 13+76.18
17.38' Rt.

Sta. 13+92.55
28.90' Rt.
R = 5'
∠ = 28°38'53.91"
L = 2.50'

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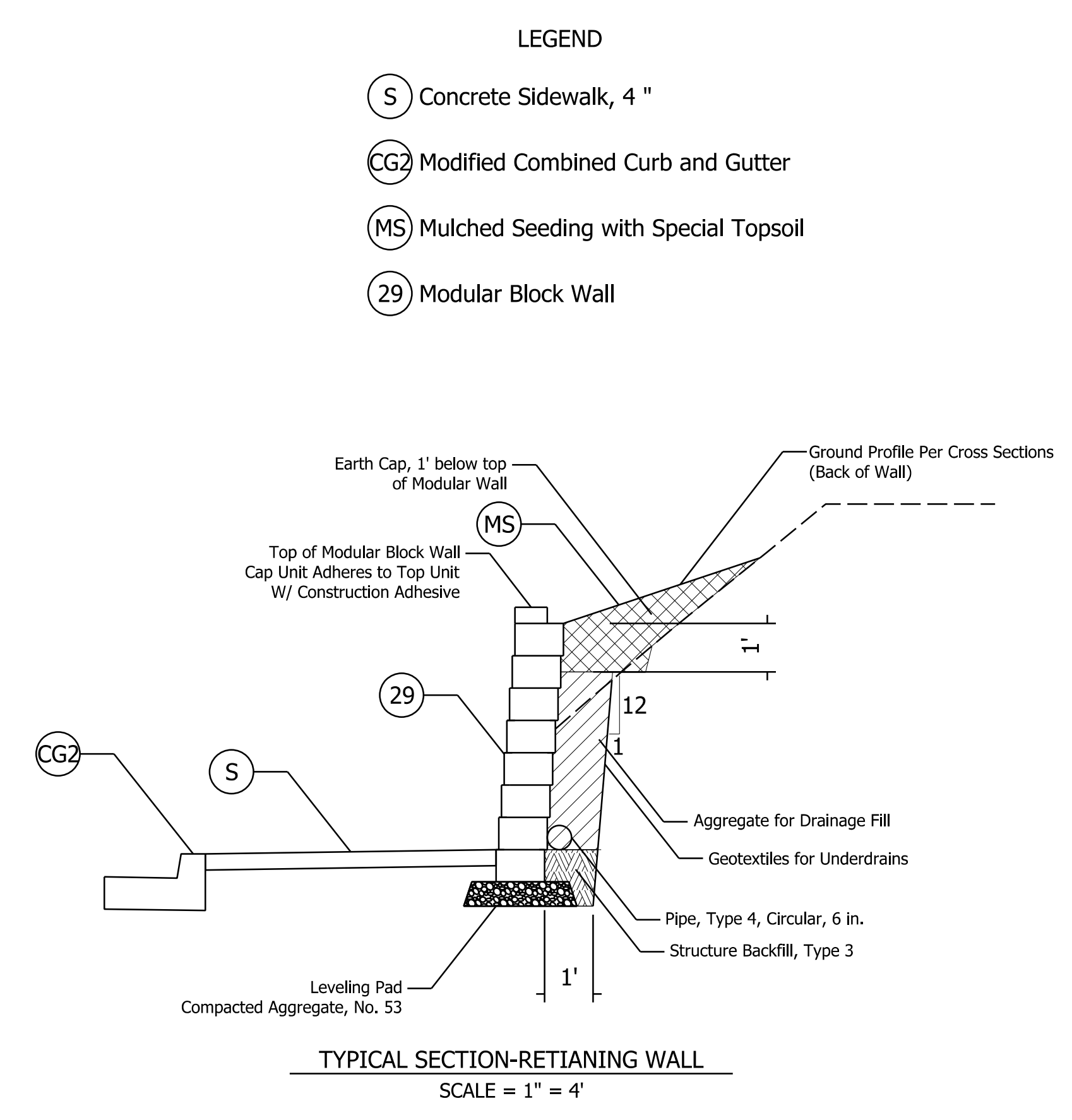
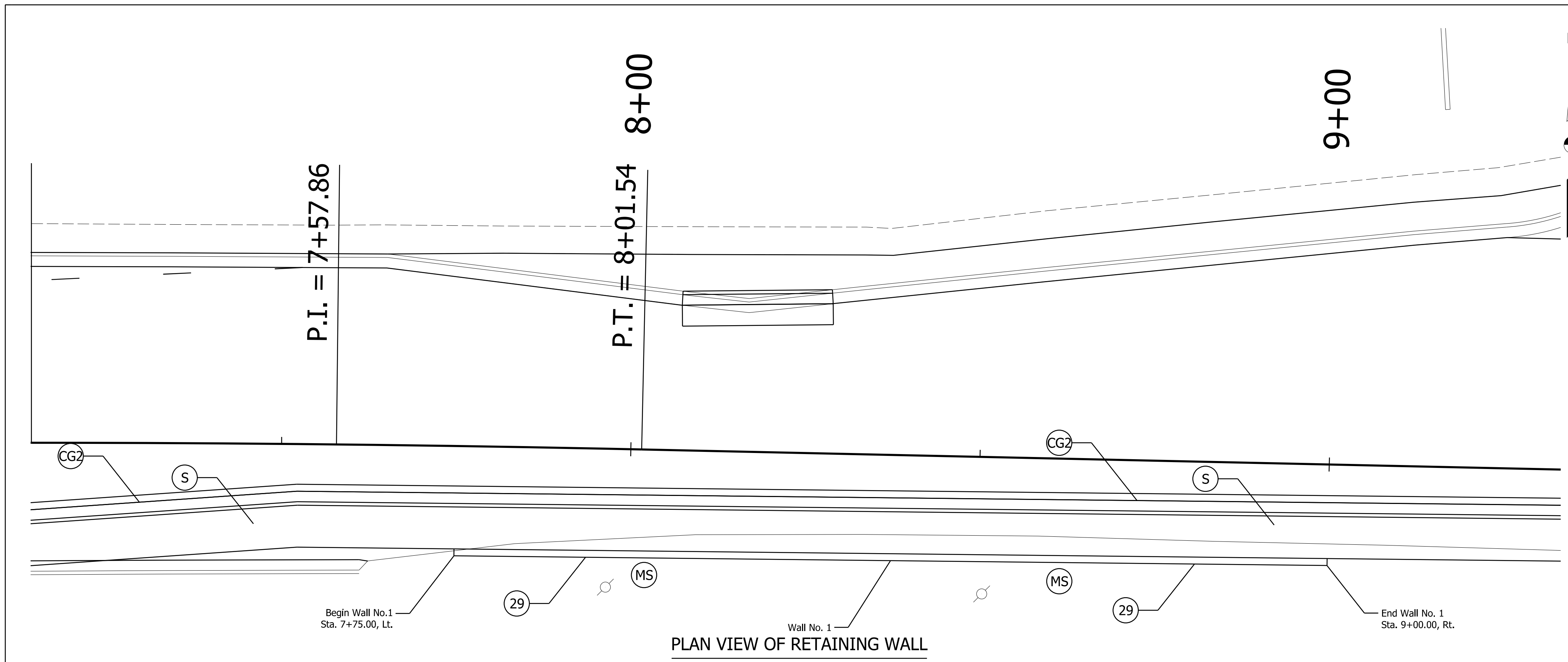


RECOMMENDED FOR APPROVAL	<i>L.N.B.</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

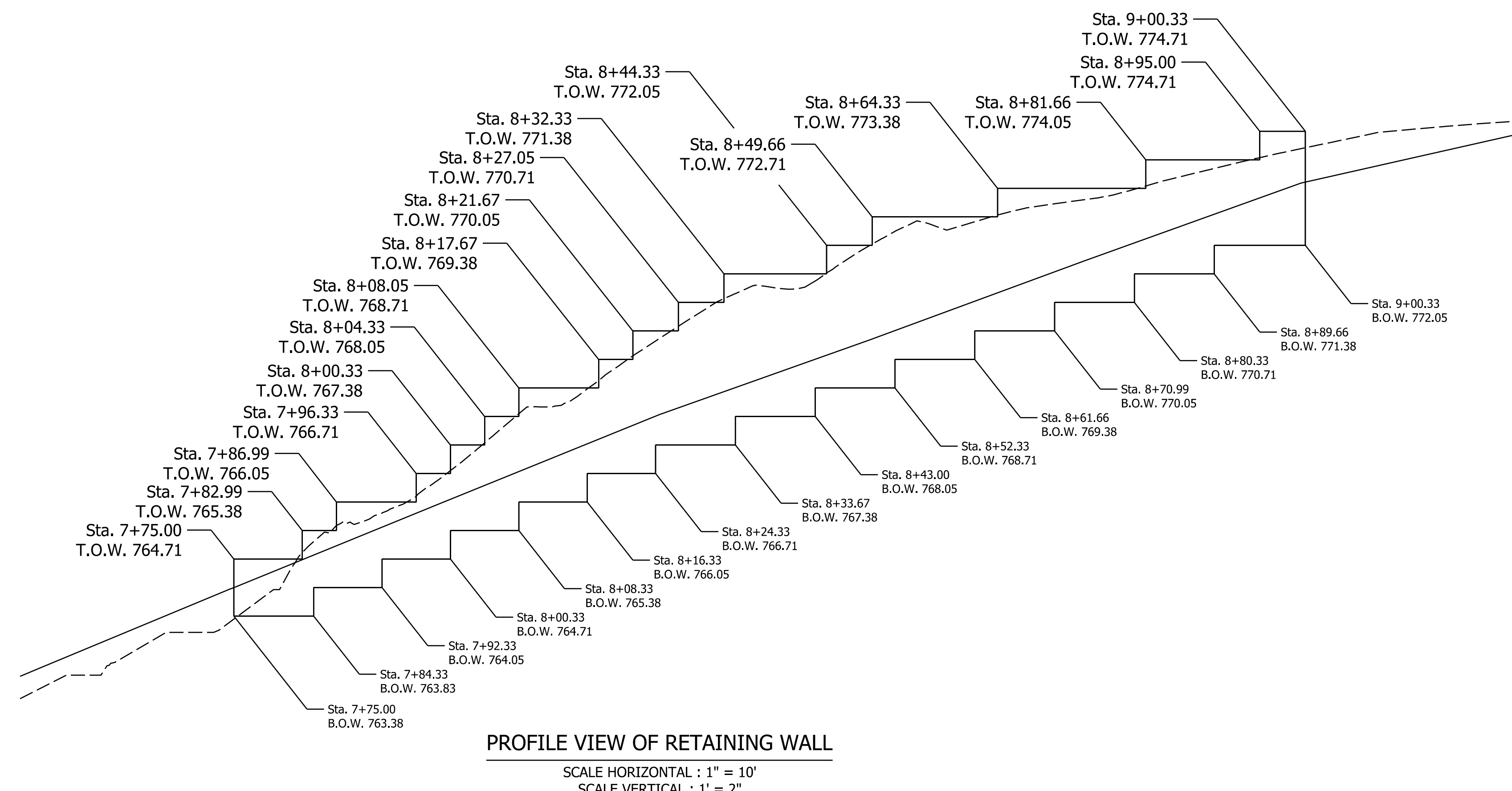
CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
INTERSECTION DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	16 of 32
CONTRACT	PROJECT



- LEGEND**
- (S) Concrete Sidewalk, 4"
 - (CG2) Modified Combined Curb and Gutter
 - (MS) Mulched Seeding with Special Topsoil
 - (29) Modular Block Wall



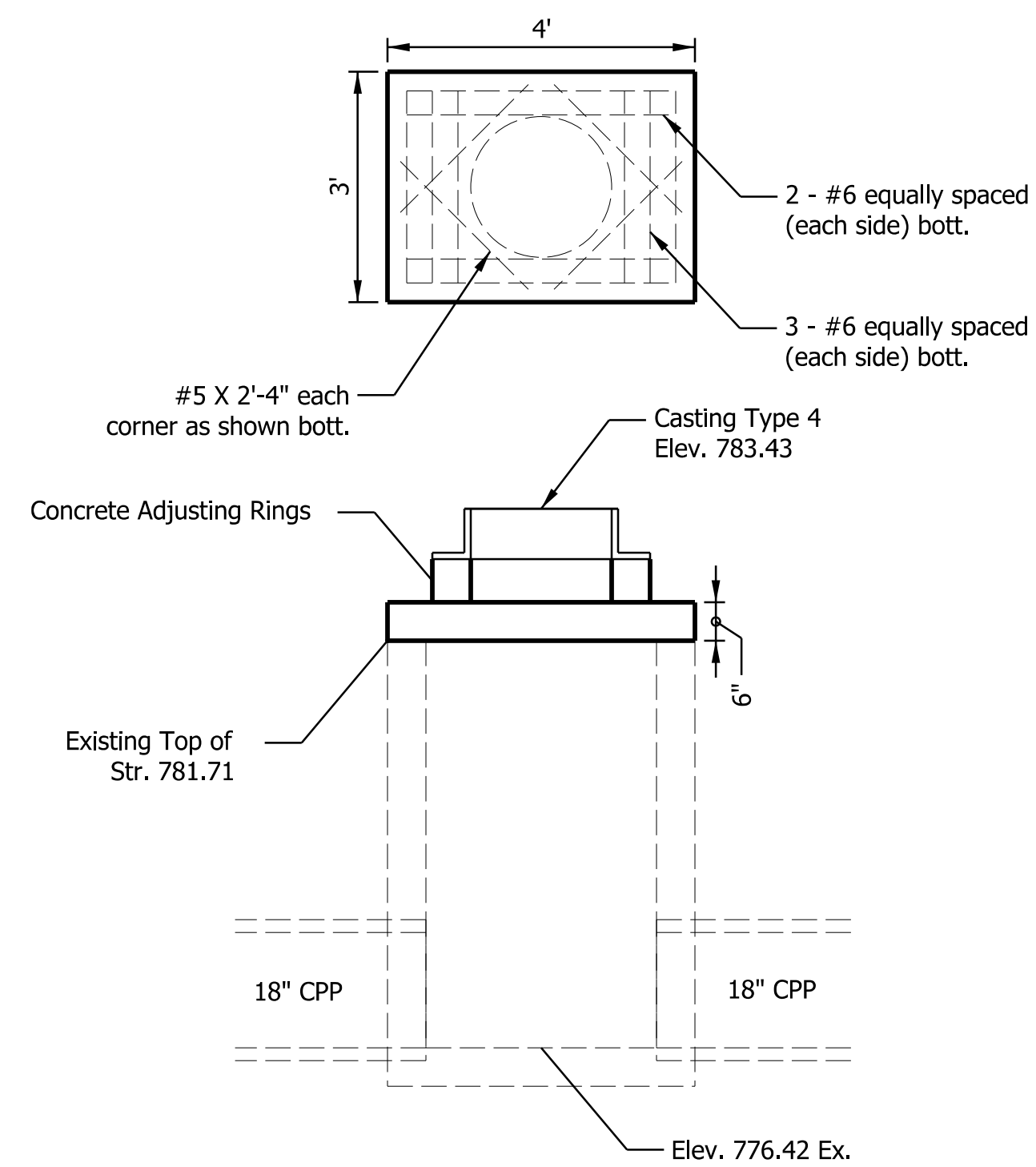
BILL OF MATERIAL

* MODULAR BLOCK WALL	331 SFT
* MODULAR BLOCK WALL ERECTION	331 SFT
* STRUCTURE BACK FILL, TYPE 3	4.4 CYS
* PIPE, TYPE 4, CIRCULAR, 6 in.	125 LFT
* PIPE, UNDERDRAIN, OUTLET, 6 in.	4 LFT
* AGGREGATE FOR DRAINAGE FILL	19.0 CYS
* COMPACTED AGGREGATE, O, No. 53, LEVELLING	5 TON
* GEOTEXTILES FOR UNDERDRAINS, TYPE IB	80.5 SYS
* To be paid directly at the Contract Unit Price	

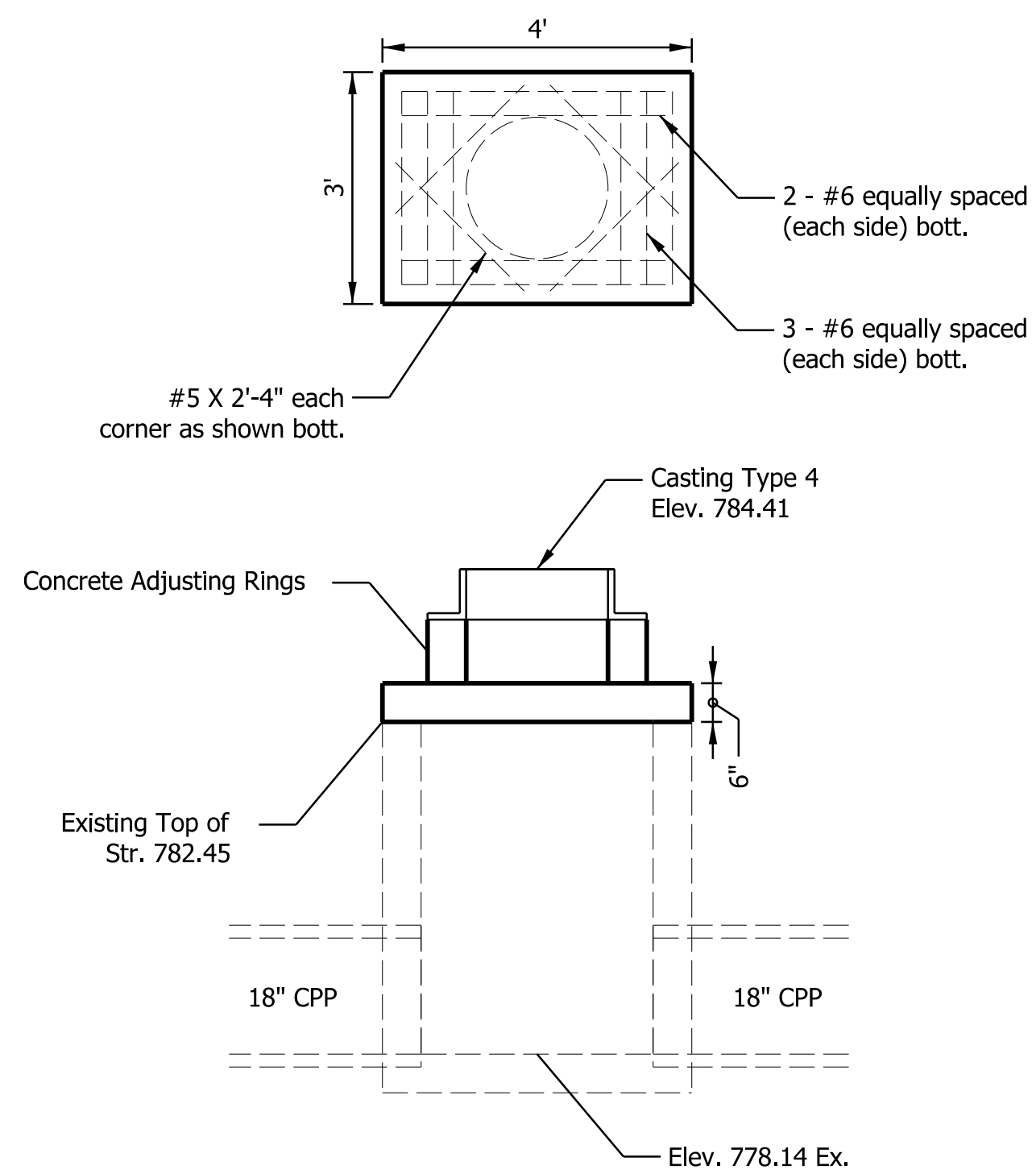
- NOTES:**
- Modular block Wall shall be constructed in accordance with Standard Specification 732
 - Wall profile is based on 16" block width, 8" block height and 4" cap height. If approved block dimensions differ, all adjustments shall be made in the profile at the bottom of the wall. The minimum embedment, as detailed or recommended by the wall system supplier, shall be maintained at all times. The bottom of the Modular Block Wall shall not be raised if the final design provided by the wall system supplier indicates a lesser embedment.
 - Factored Bearing Resistance = 5,500 psf.

<p>CMT Engineers and Consultants</p> <p>8790 PURDUE ROAD INDIANAPOLIS, IN 46268-6128 PHONE: (317) 298-4500</p>	<p>© Copyright CMT, Inc.</p> <p>LAWRENCE N. BATA REGISTERED NO. 10707540 STATE OF INDIANA PROFESSIONAL ENGINEER</p>	<p>RECOMMENDED FOR APPROVAL: <i>LNB</i></p> <p>DESIGN ENGINEER: <i>LNB</i> DATE: 7/15/2019</p>	<p>DESIGNED: RCC 7/15/2019 DRAWN: RCC 7/15/2019</p> <p>CHECKED: LNB 7/15/2019 CHECKED: LNB 7/15/2019</p>	<p>CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION DEPARTMENT</p> <p>MOORES PIKE SIDEWALK PROJECT MODULAR BLOCK WALL DETAILS</p>	<table border="1"> <tr><td>HORIZONTAL SCALE</td><td>BRIDGE FILE</td></tr> <tr><td>AS SHOWN</td><td></td></tr> <tr><td>VERTICAL SCALE</td><td>DESIGNATION</td></tr> <tr><td>AS SHOWN</td><td></td></tr> <tr><td>SURVEY BOOK</td><td>SHEETS</td></tr> <tr><td></td><td>17 of 32</td></tr> <tr><td>CONTRACT</td><td>PROJECT</td></tr> <tr><td></td><td></td></tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	AS SHOWN		VERTICAL SCALE	DESIGNATION	AS SHOWN		SURVEY BOOK	SHEETS		17 of 32	CONTRACT	PROJECT		
		HORIZONTAL SCALE	BRIDGE FILE																		
AS SHOWN																					
VERTICAL SCALE	DESIGNATION																				
AS SHOWN																					
SURVEY BOOK	SHEETS																				
	17 of 32																				
CONTRACT	PROJECT																				
<p>L:\Bloomington\IN\16745-01\Draw\Sheets\Moore's Pike\ShT_Wall_Moore'sPike.dgn</p>																					

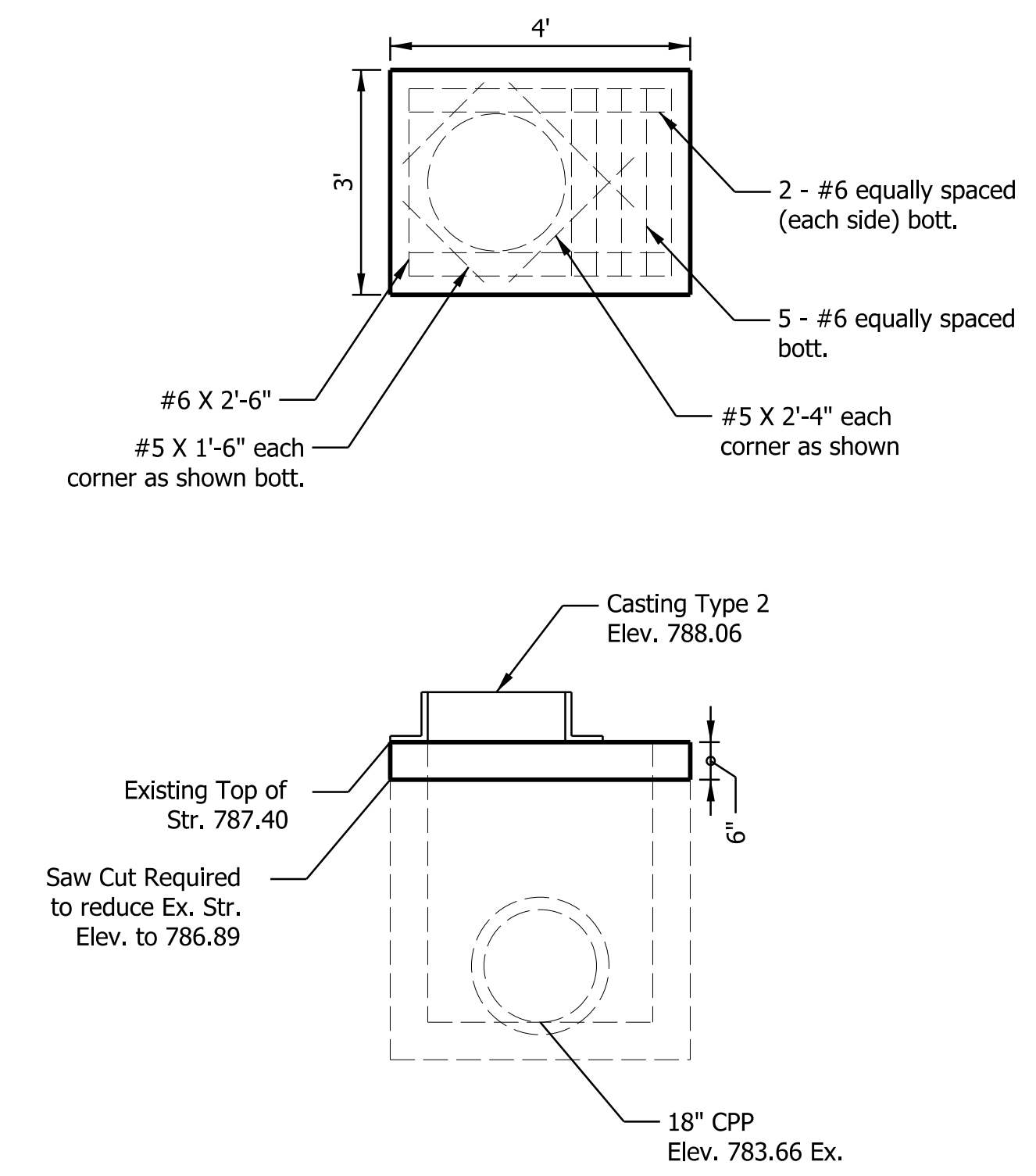
Note:
Reinforced concrete inlet lid to be included in the cost of the
Contract Unit price of "Inlet Reconstruct"



Str. No. 20



Str. No. 22

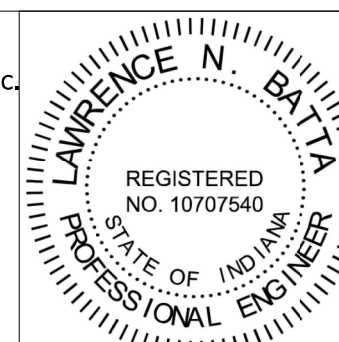


Str. No. 23



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PLANNING AND TRANSPORTATION DEPARTMENT

INLET RECONSTRUCTION DETAIL

HORIZONTAL SCALE	BRIDGE FILE
2 : 1	
VERTICAL SCALE	DESIGNATION
2 : 1	
SURVEY BOOK	SHEETS
	18 of 32
CONTRACT	PROJECT

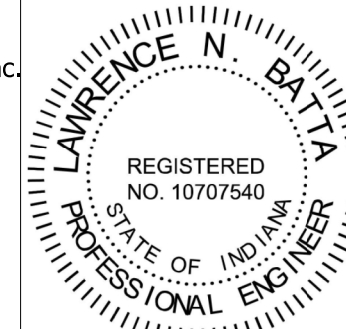
STRUCTURE DATA																		
STRUCTURE NUMBER	LOCATION				PIPE SIZE	PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH			TOP OF CASTING	BACKFILL METHOD	STRUCTURE BACKFILL, TYPE 1	CONNECT TO STR.	REMARKS			
	UPSTREAM STATION	LEFT	RIGHT	CENTER					OFFSET	LFT						UP STREAM	DOWN STREAM	ELEV.
									FT							INCHES	ELEV.	ELEV.
Line "A"																		
10	5+85.72		X		17.82	EXIST.	EXIST.	EXIST.	749.21	743.42	753.01			OUTFALL	EXIST STRUCTURE - USE IN PLACE			
11	6+55.55	X			31.92	EXIST.	EXIST.	EXIST.	747.84	745.17	745.17			OUTFALL	EXIST STRUCTURE - USE IN PLACE			
12	8+05.02		X		40.92	EXIST.	EXIST.	EXIST.	765.96	-	770.89			OUTFALL	EXIST STRUCTURE - USE IN PLACE			
13	8+07.81		X		38.53	EXIST.	EXIST.	EXIST.	765.96	765.96	770.86			12	EXIST STRUCTURE - USE IN PLACE			
14	9+50.79	X			60.62	EXIST.	EXIST.	EXIST.	771.82	-	775.72			-	EXIST STRUCTURE - USE IN PLACE			
15	10+44.54		X		30.87	12	2	INLET, J10	7	775.13	774.61	778.40	4	16				
16	10+51.54		X		30.87	EXIST.	EXIST.	INLET, F7	EXIST.	774.51	771.51	777.51		OUTFALL	CLEAN EXISTING PIPE 31 LFT			
17	11+09.45		X		6.88	12	2	INLET, J10	17	777.28	776.58	780.92	11	18				
18	11+09.15		X		26.47	EXIST.	EXIST.	INLET, F7	EXIST.	775.11	773.93	779.01		OUTFALL				
19	12+06.67		X		9.34	12	2	INLET, J10	3	779.82	779.77	783.00	1	20				
20	12+06.59		X		12.71	EXIST.	EXIST.	CASTING, 4, FURNISH AND ADJUST TO GRADE	EXIST.	776.42	775.11	783.43		18	INLET RECONSTRUCT, CORE DRILLING REQUIRED			
21	12+52.22		X		8.82	12	2	INLET, J10	5	780.82	780.59	784.00	3	22				
22	12+52.12		X		14.87	EXIST.	EXIST.	CASTING, 4, FURNISH AND ADJUST TO GRADE	EXIST.	778.14	776.42	784.41		20	INLET RECONSTRUCT, CORE DRILLING REQUIRED			
23	13+71.25		X		18.30	EXIST.	EXIST.	CASTING, 2, FURNISH AND ADJUST TO GRADE, ADA COMPIANT	EXIST.	783.66	778.14	788.06		22	INLET RECONSTRUCT			

Core Drilling incidental to the pipe installation



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CHECKED: LNB 7/15/2019

CHECKED: LNB 7/15/2019

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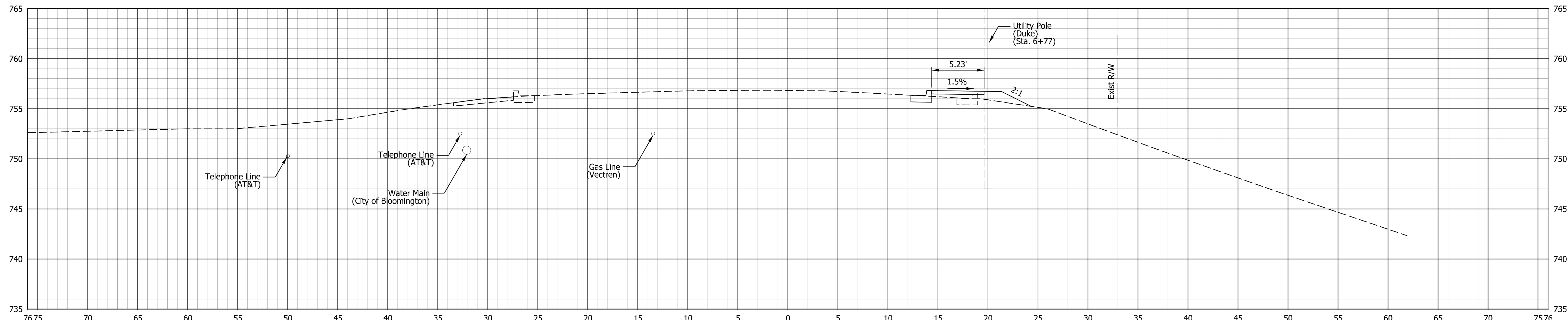
MOORES PIKE SIDEWALK PROJECT
STRUCTURE DATA TABLE

HORIZONTAL SCALE BRIDGE FILE

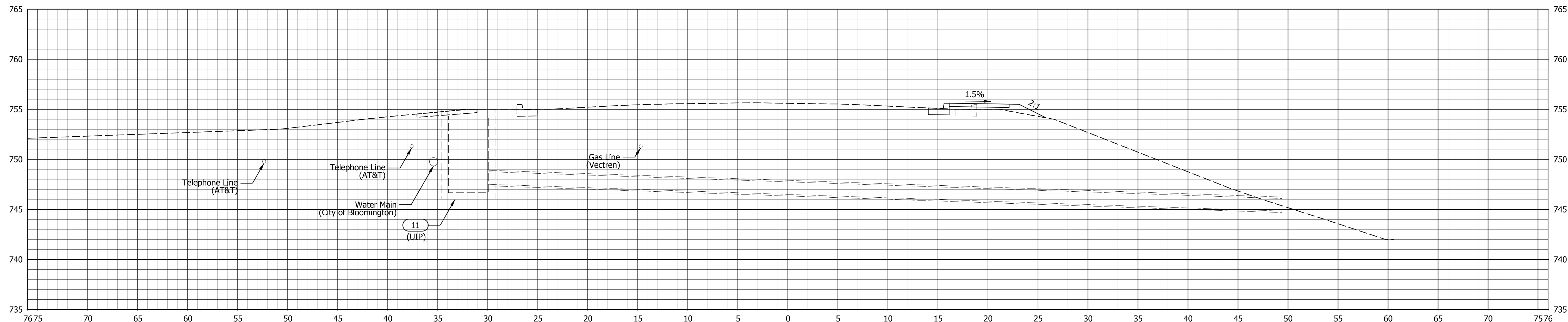
VERTICAL SCALE DESIGNATION

SURVEY BOOK SHEETS

CONTRACT 19 of 32 PROJECT



6+75



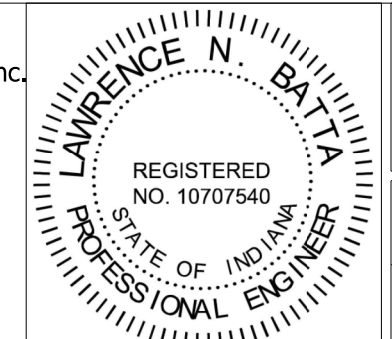
6+50

STA. 6+50 TO STA. 6+75

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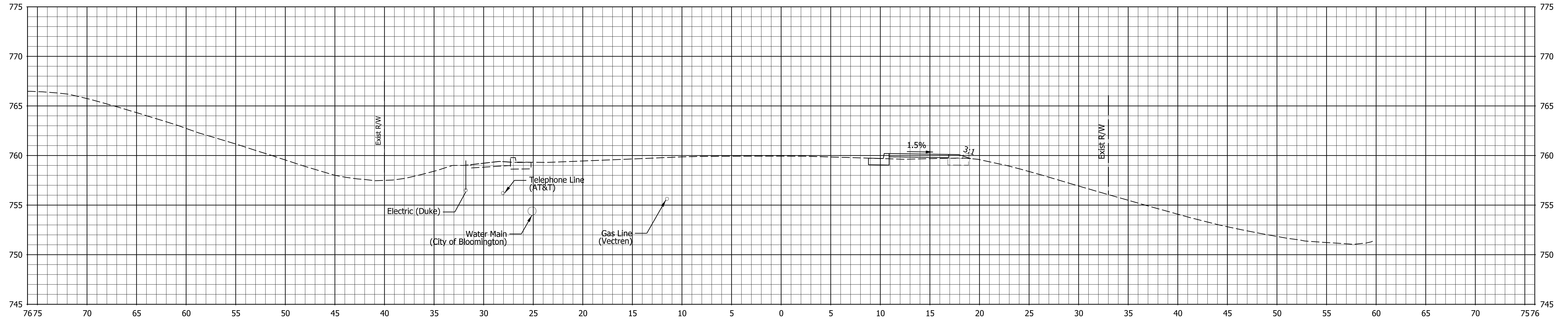


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DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
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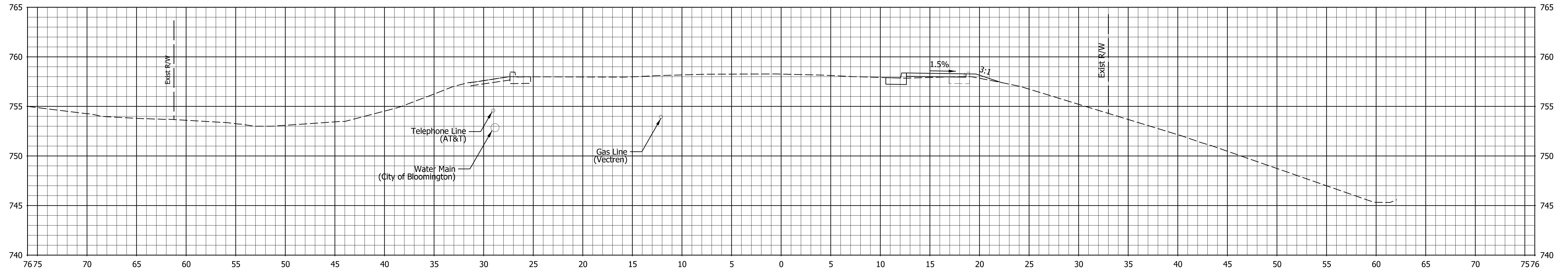
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**MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	20 of 32
	PROJECT
	-



7+25



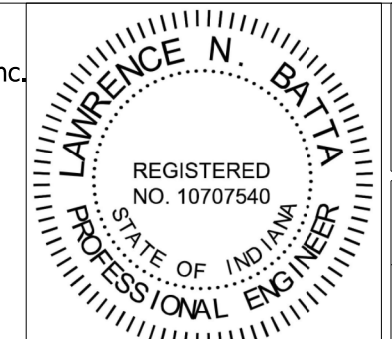
7+00

STA. 7+00 TO STA. 7+25

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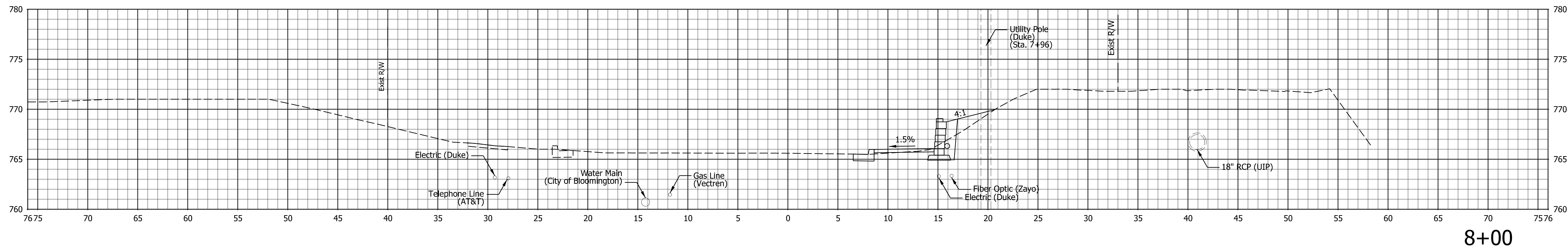


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		DATE	
DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

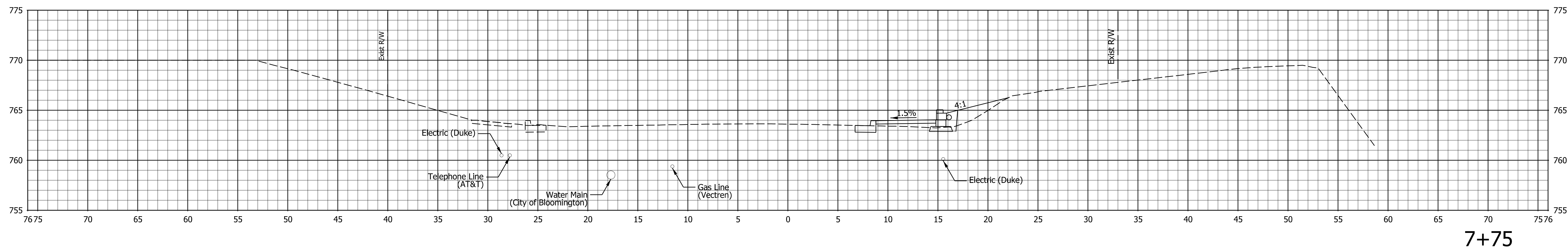
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PLANNING AND TRANSPORTATION DEPARTMENT

**MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS**

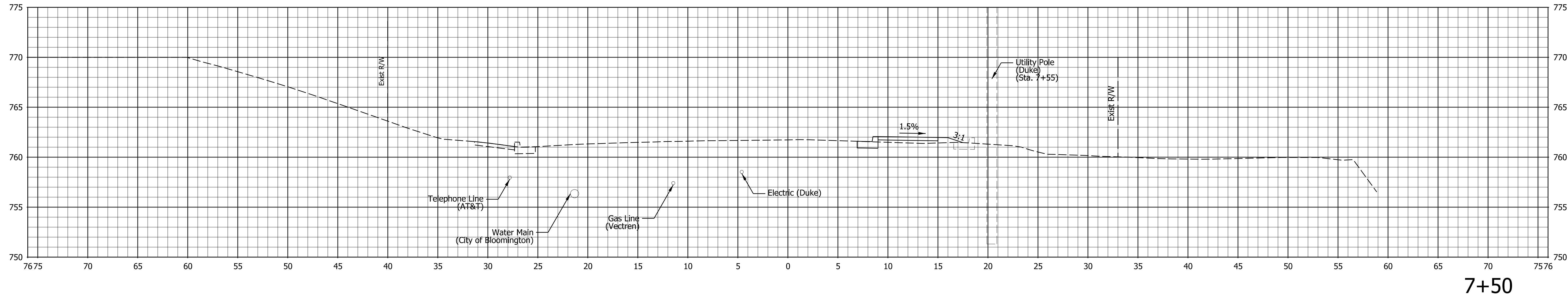
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	21 of 32
CONTRACT	PROJECT



8+00



7+75

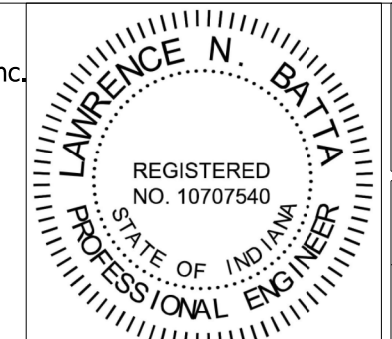


7+50

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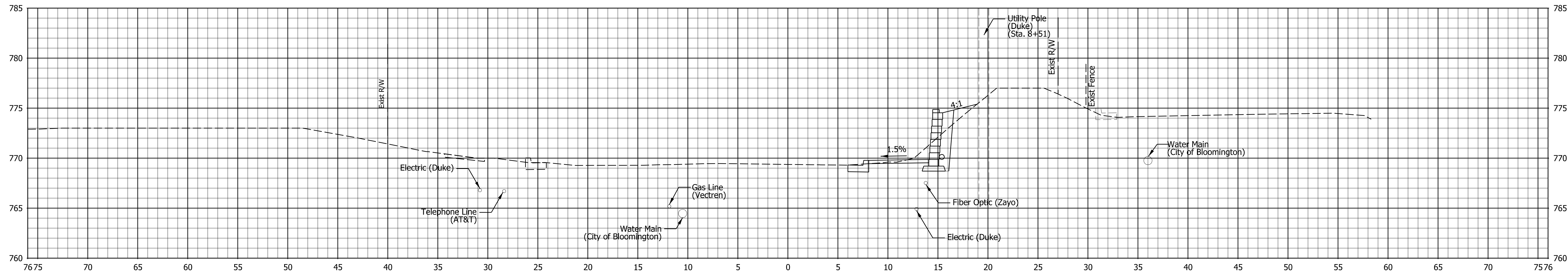


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DESIGNED:	RCC 7/15/2019	DRAWN:	RCC 7/15/2019
CHECKED:	LNB 7/15/2019	CHECKED:	LNB 7/15/2019

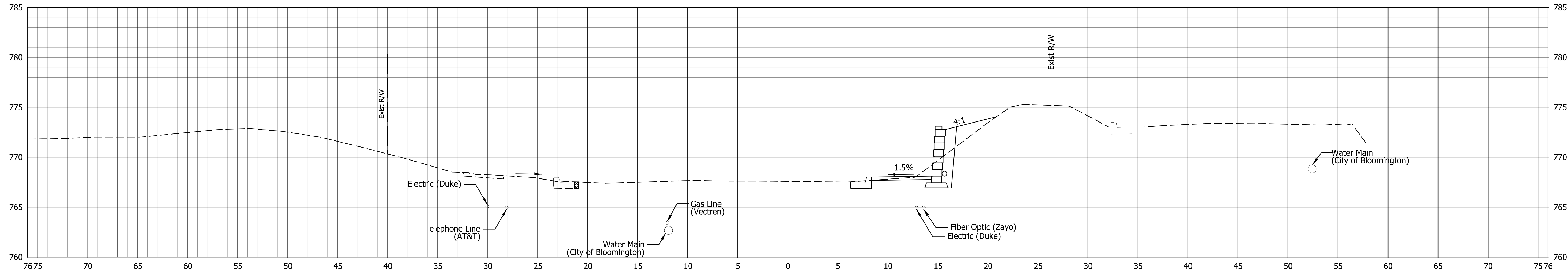
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**MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	22 of 32
CONTRACT	PROJECT



8+50



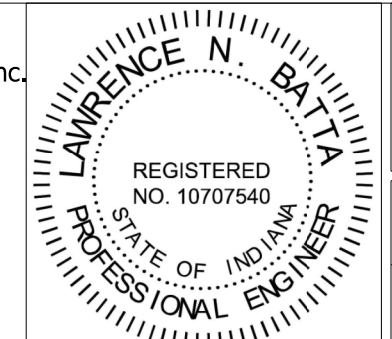
8+25

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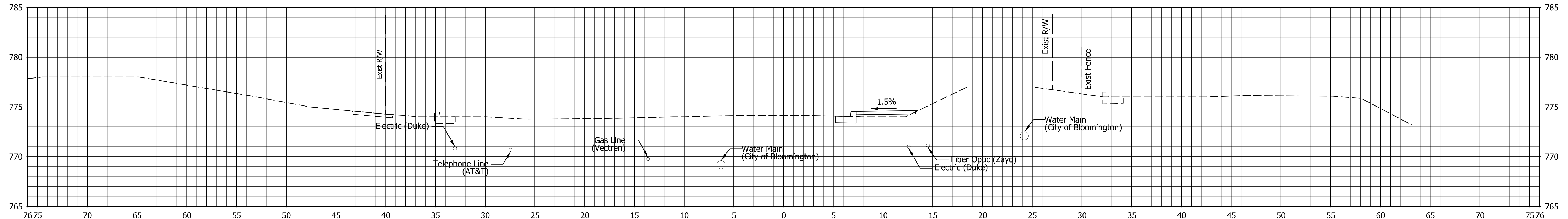


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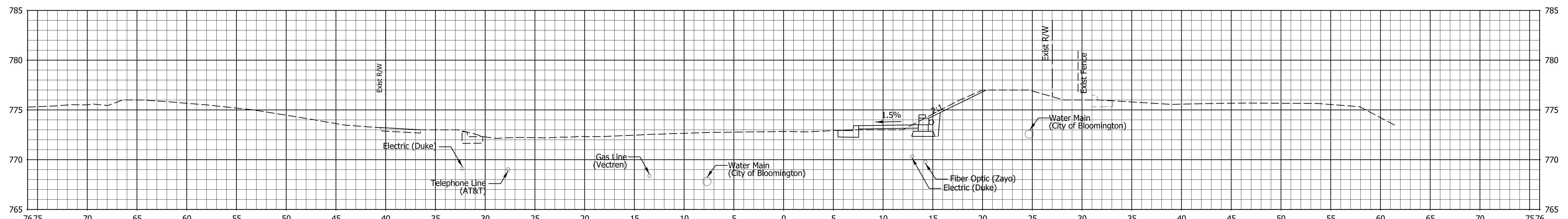
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**MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS**

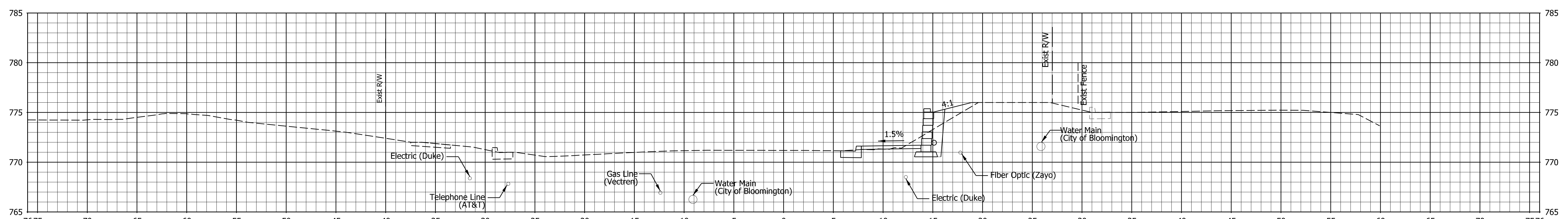
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	23 of 32
	PROJECT
	-



9+25



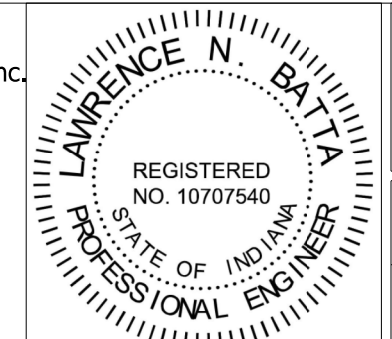
9+00



8+75



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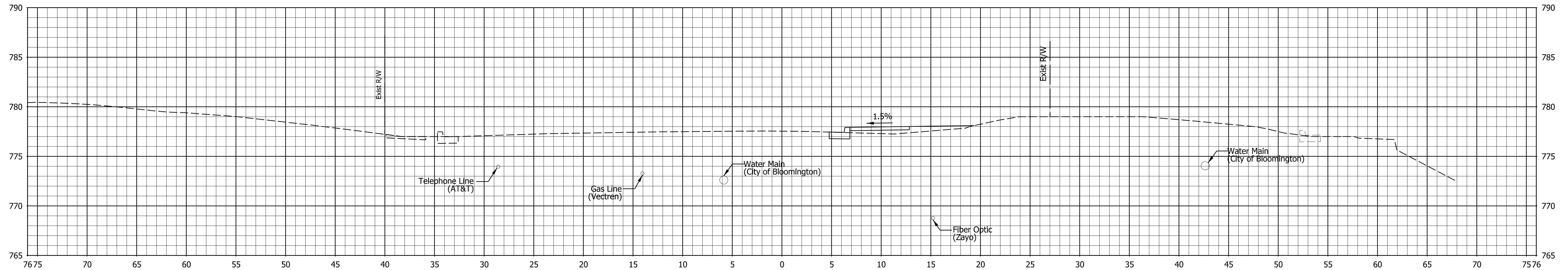
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RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
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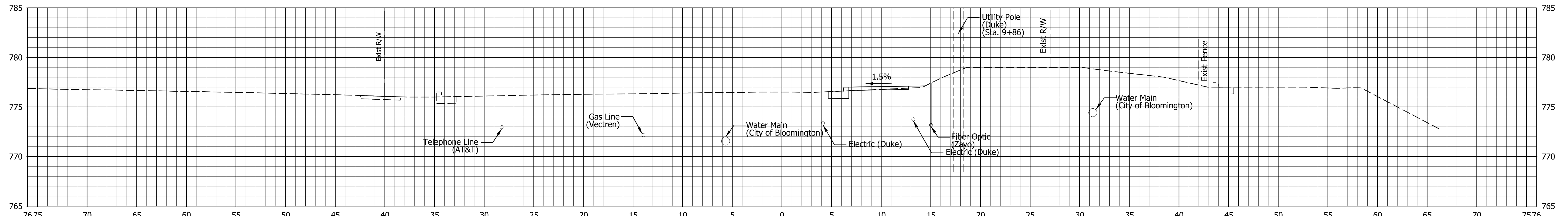
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MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS

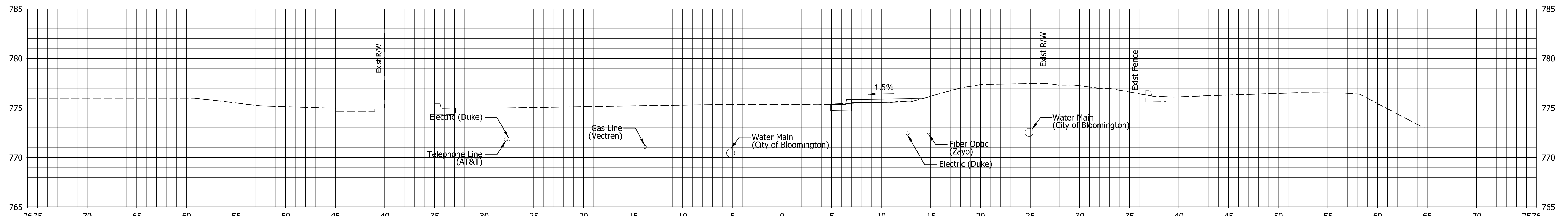
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT



10+00



9+75



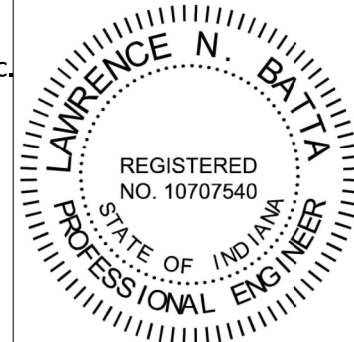
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STA. 9+50 TO STA. 10+00



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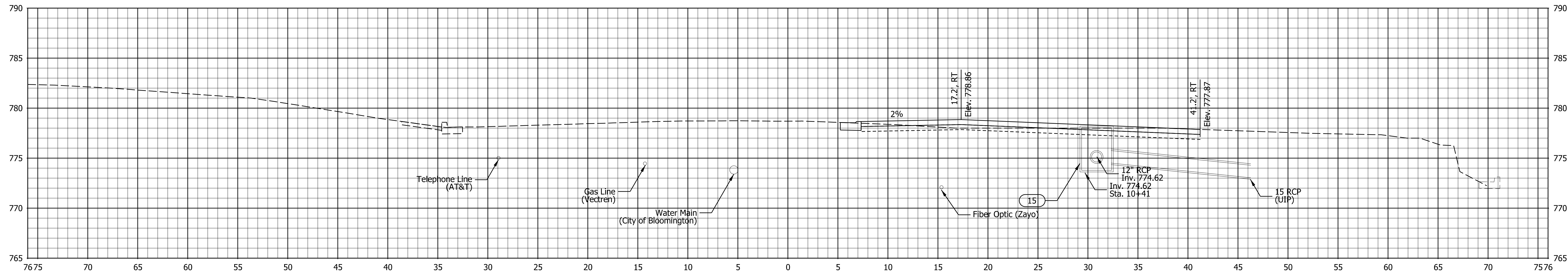


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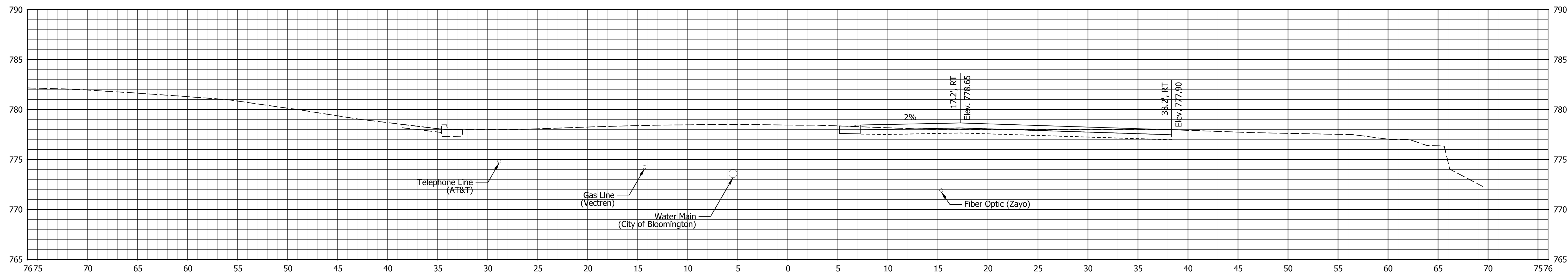
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MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS

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



10+31



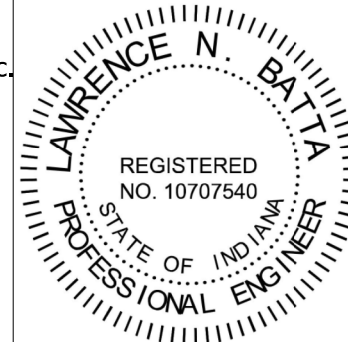
10+25

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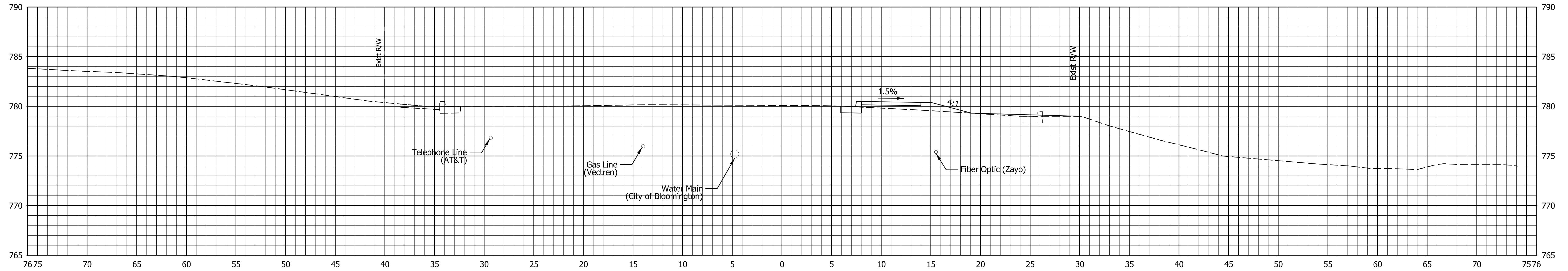


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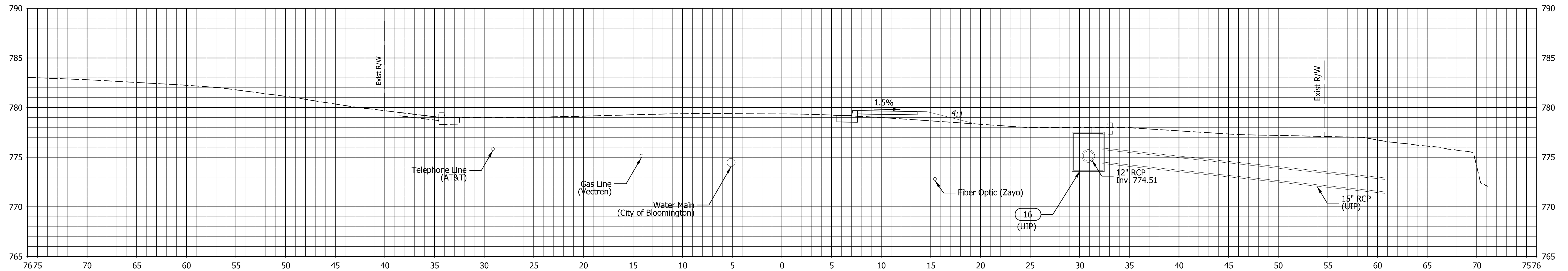
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MOORES PIKE SIDEWALK PROJECT
 CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	26 of 32
	PROJECT
	-



10+75



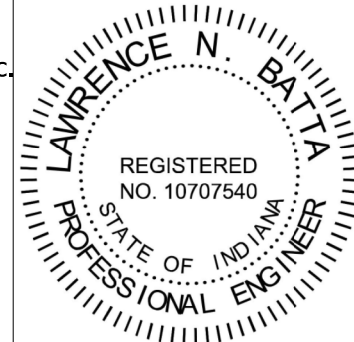
10+50

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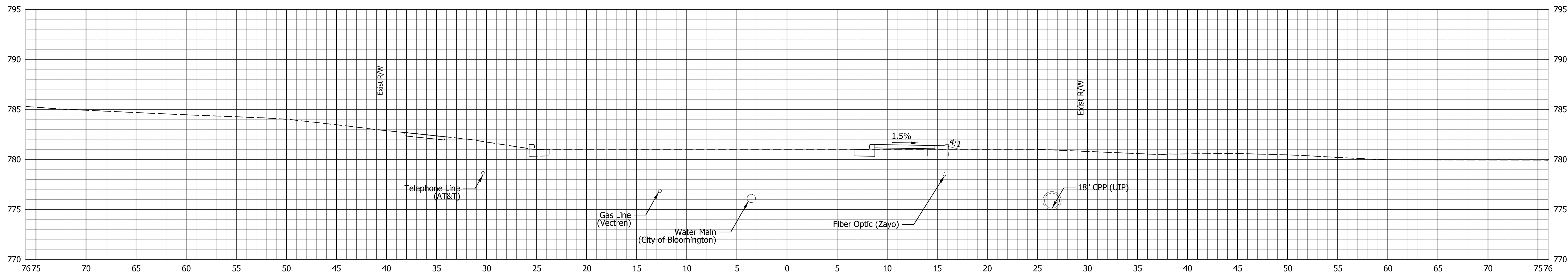


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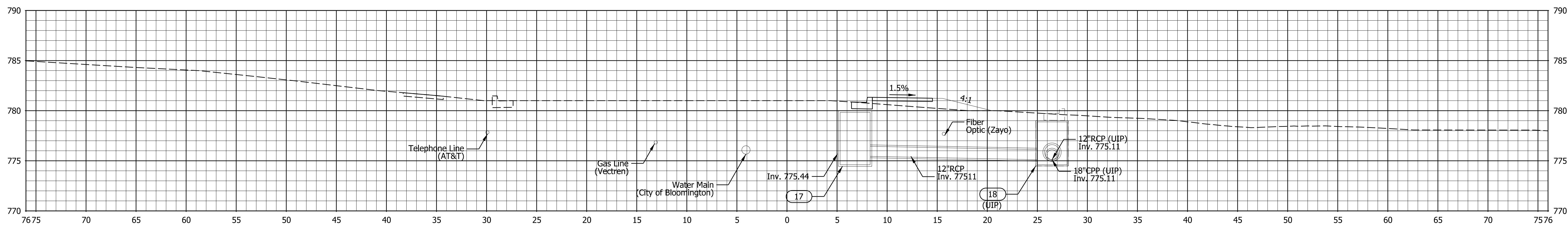
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MOORES PIKE SIDEWALK PROJECT
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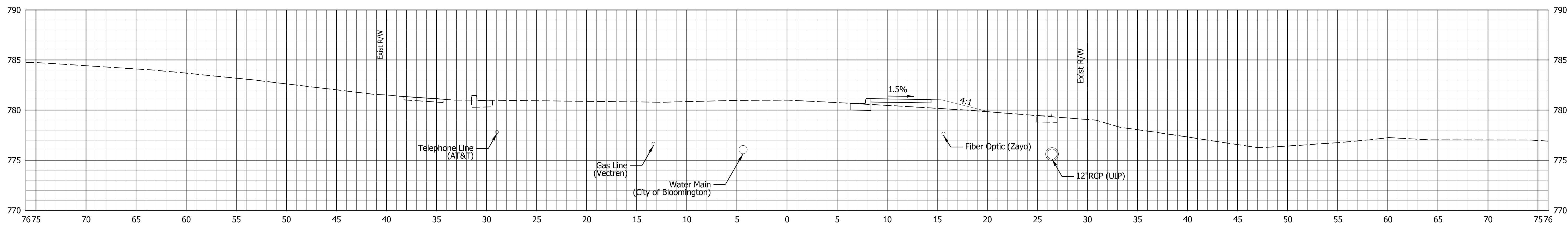
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT



11+25



11+09

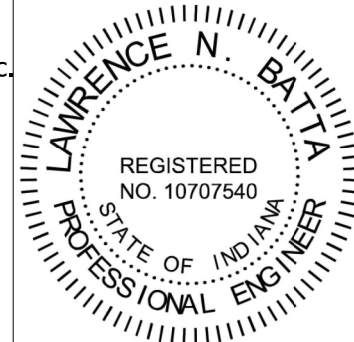


11+00



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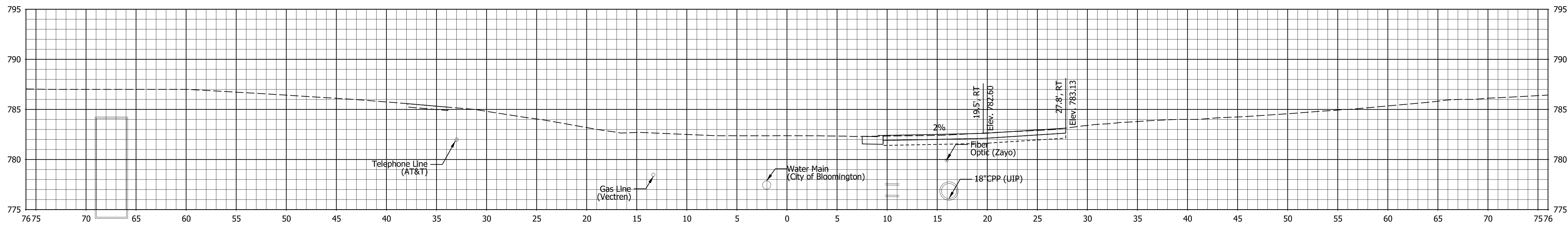


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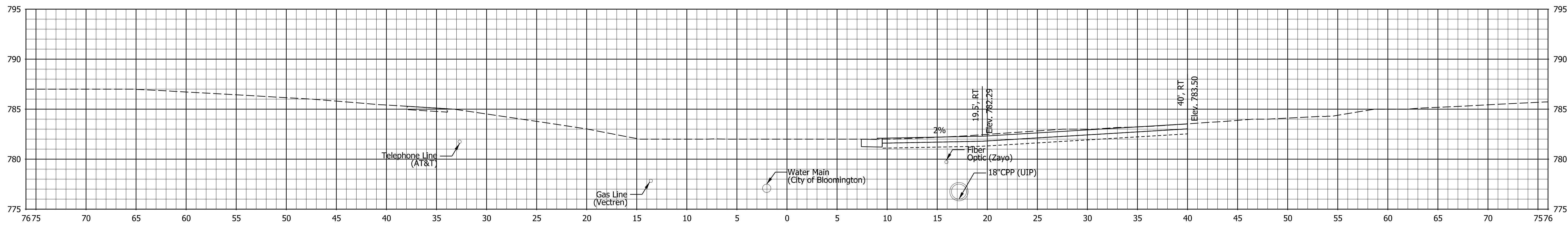
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MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS

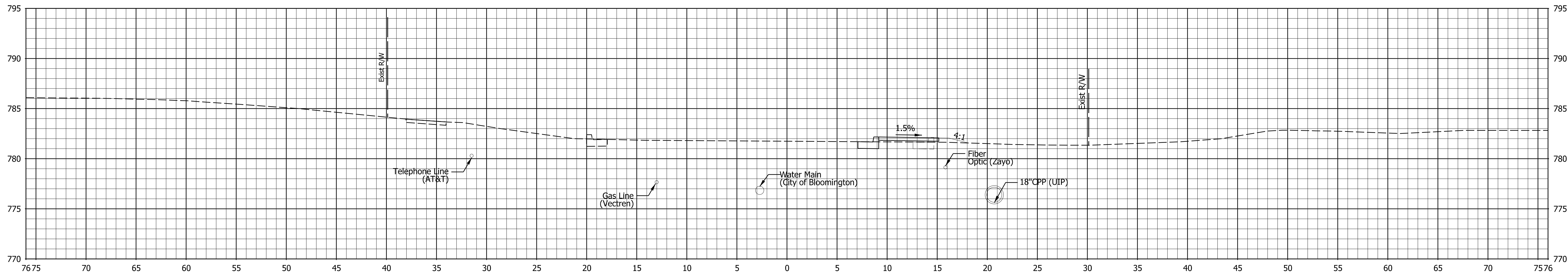
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	28 of 32
	PROJECT



11+82



11+75



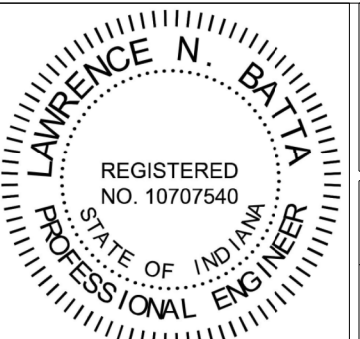
11+50

STA. 11+50 TO STA. 11+82

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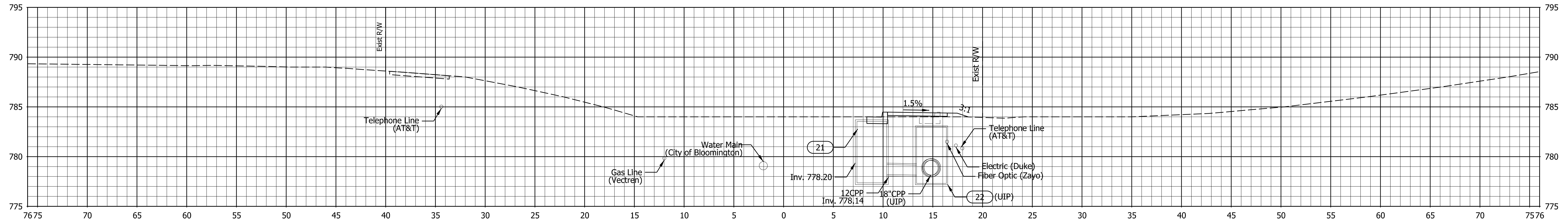


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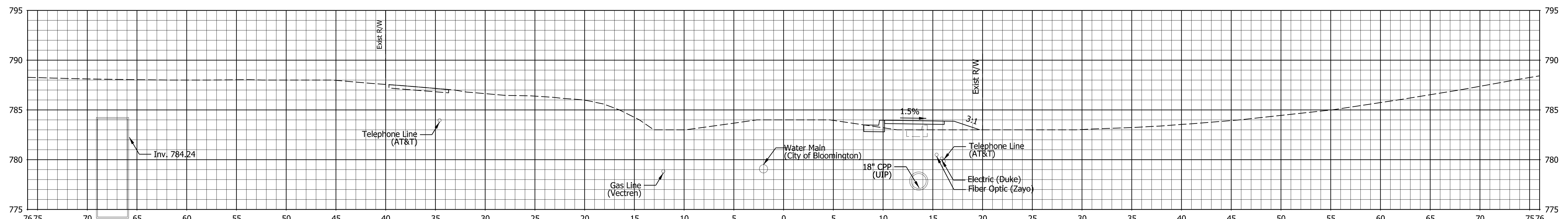
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**MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS**

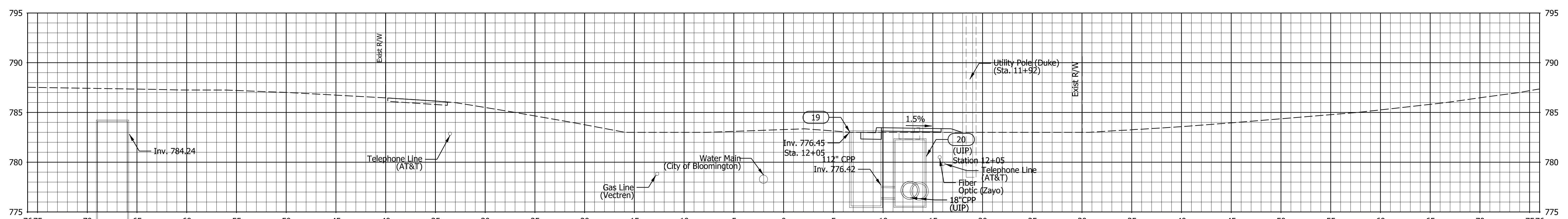
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	29 of 32
CONTRACT	PROJECT



12+50



12+25



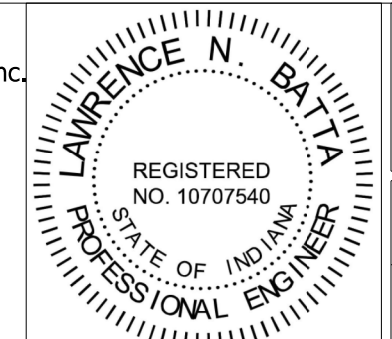
12+00

STA. 12+00 TO STA. 12+50



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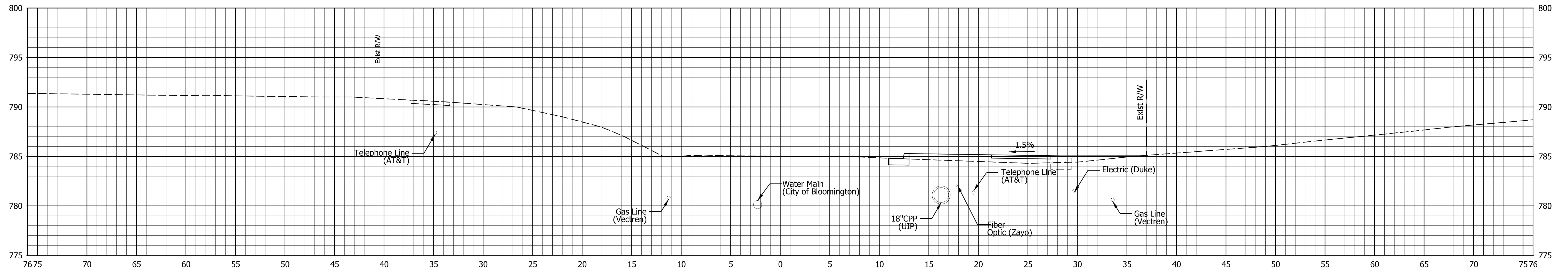


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		DATE	
DESIGNED:	RCC	7/15/2019	DRAWN:
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		7/15/2019	
CHECKED:	LNB	7/15/2019	CHECKED:
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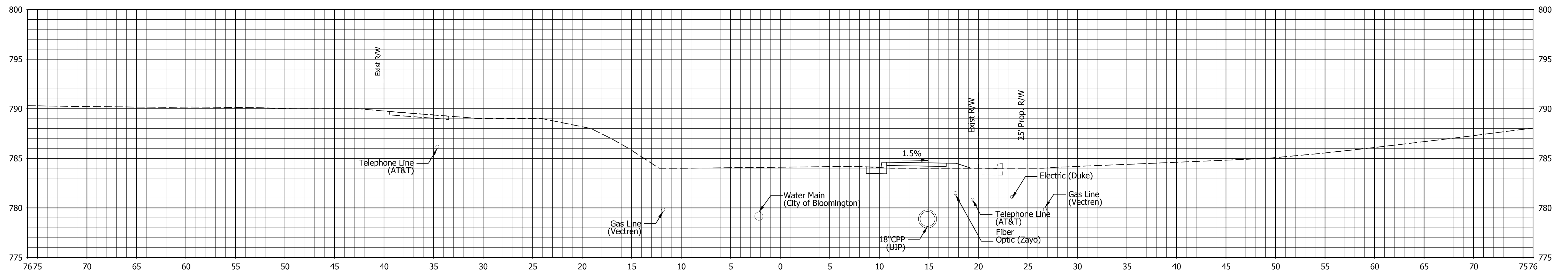
CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION DEPARTMENT

MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	30 of 32
CONTRACT	PROJECT



13+00

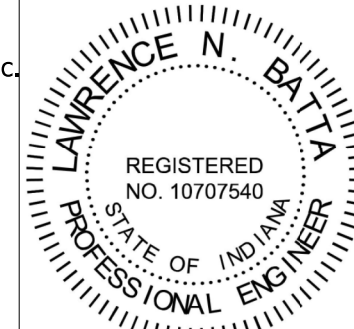


12+75



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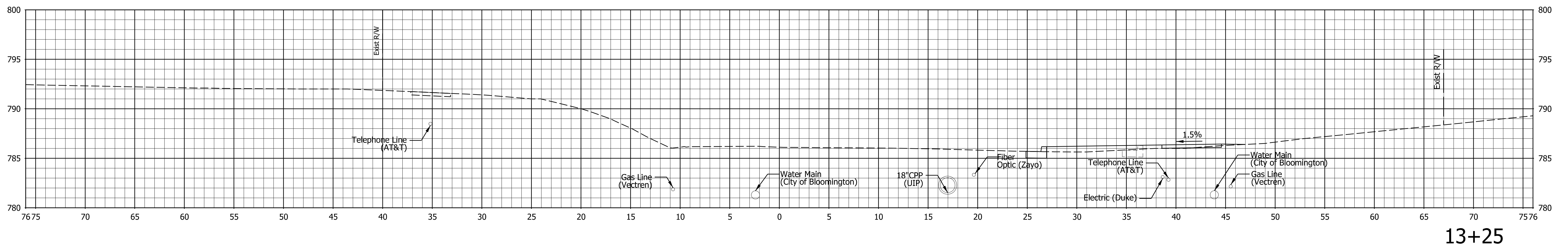
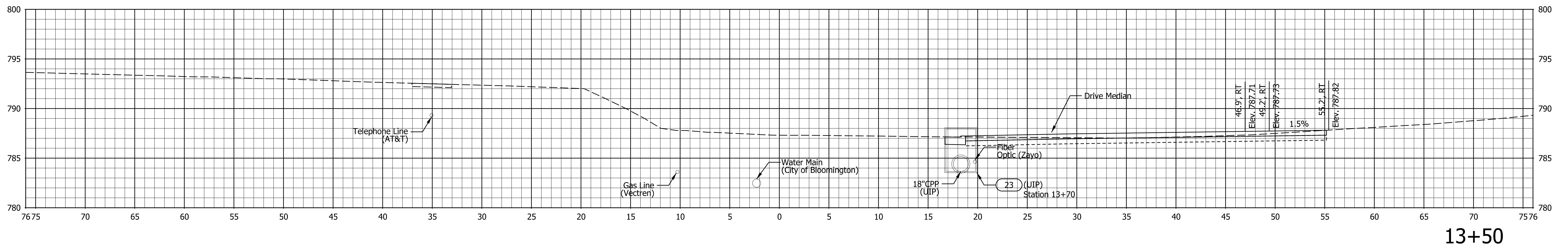


RECOMMENDED FOR APPROVAL	<i>LNB</i>	DESIGN ENGINEER	7/15/2019
DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

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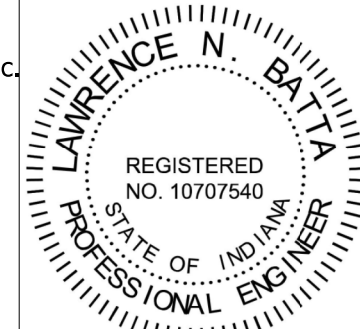
MOORES PIKE SIDEWALK PROJECT
 CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	31 of 32
	PROJECT



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DESIGNED:	RCC	7/15/2019	DRAWN: RCC 7/15/2019
CHECKED:	LNB	7/15/2019	CHECKED: LNB 7/15/2019

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MOORES PIKE SIDEWALK PROJECT
CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	DESIGNATION
VERTICAL SCALE	
SURVEY BOOK	SHEETS
CONTRACT	32 of 32
	PROJECT