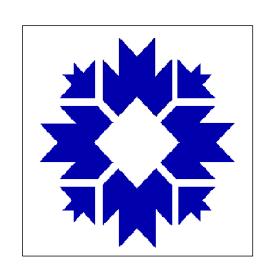
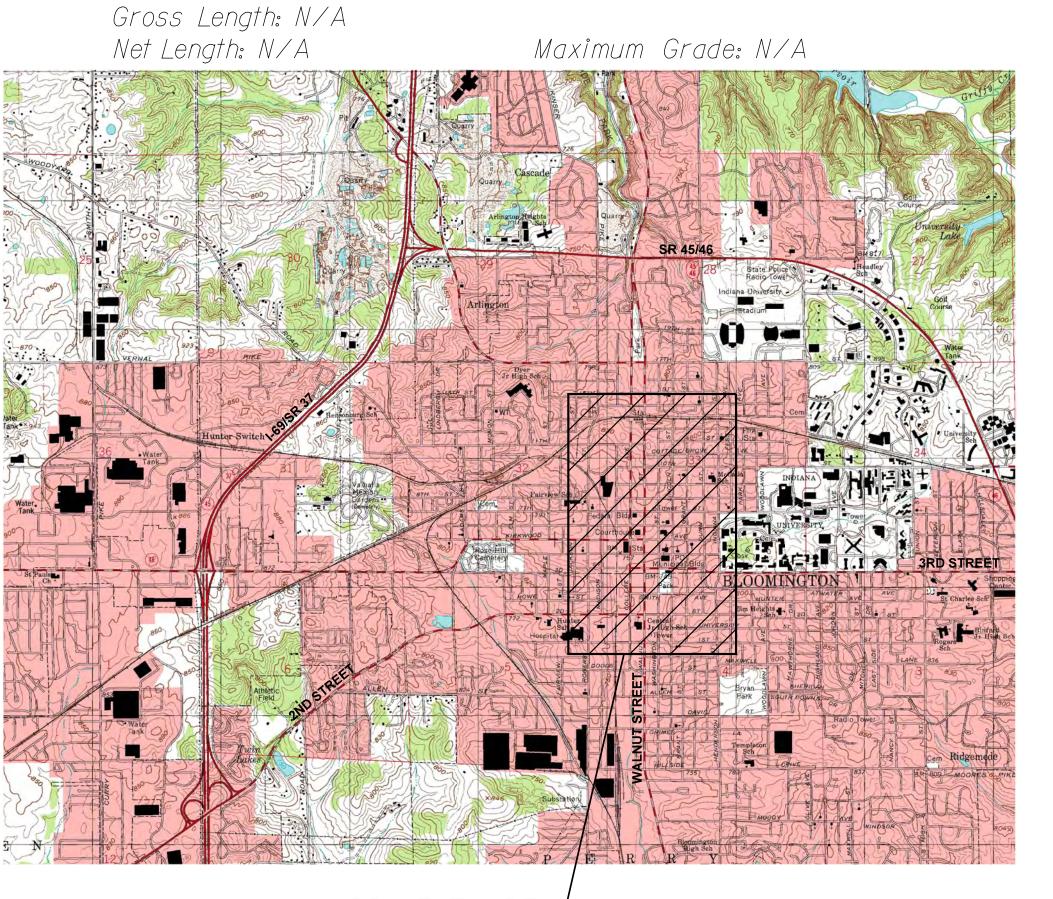
DEPARTMENT OF PLANNING AND TRANSPORTATION



DOWNTOWN CURB RAMP IMPROVEMENTS, PHASE II



NTS

PROJECT AREA

PROJECT LOCATION MAP
CITY OF BLOOMINGTON, MONROE COUNTY

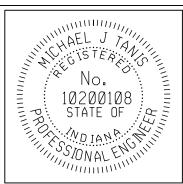
INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CURRENT EDITION TO BE USED WITH THESE PLANS AND ANY SUPPLEMENTS THEREOF

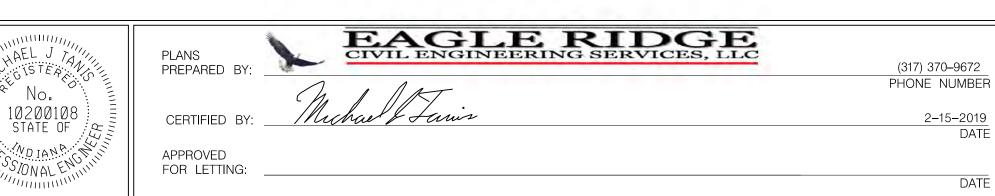
PROJECT LOCATION SHOWN BY -

PREPARED BY:



1321 Laurel Oak Drive Avon, Indiana 46123 (317)370-9672





UTILITIES <u>CABLE TELEVISION</u> TELEPHONE/COMMUNICATIONS AT & T DUKE ENERGY (DISTRIBUTION) COMCAST PRIMARY: JOHN HALL ATTN:STEVE McARTOR ATTN:KERRY DUCKER 2450 SOUTH HENDERSON ST. 1100 WEST SECOND ST. (812) 334-4742 BLOOMINGTON, IN 47401 ALT:BRENT McCABE P.O.BOX 2448 4517 INDIANA BELL COURT (812) 360-3090 BLOOMINGTON, IN 47403 (812) 337-3035 BLOOMINGTON, IN 47408 (812) 334-4521 VECTREN ENERGY <u>WATER</u> CITY OF BLOOMINGTON UTILITIES SMITHVILLE TELEPHON ATTN: CHAD HAWKINS SMITHVILLE TELEPHONE CO. ATTN: EVAN HAMILTON 205 SOUTH MADISON ATTN .: MIKE HICKS 1600 W.TEMPERANCE ST. BLOOMINGTON, IN 47404 600 E. MILLER DRIVE ELLETTSVILLE, IN 47429-0729 (812) 330-4061 BLOOMINGTON, IN 47401 (812) 935-2377 ehamilton@vectren.com (812) 349-3623 chad.hawkins@smithville.com ALT: Service & Support FOR SERVICE RELOCATIONS STORM/SANITARY (812) 876-2211 (48 HOUR NOTICE NEEDED) CITY OF BLOOMINGTON UTILITIES ATTN .: JANE FLEIG CITY OF BLOOMINGTON 600 E.MILLER DRIVE CITY OF BLOOMINGTON STREET DEPARTMENT BLOOMINGTON DIGITAL UNDERGROUND BLOOMINGTON, IN 47401 ATTN:MIKE STINSON (812) 349-3631 1981 S. HENDERSON STREET ATTN.: RICK ROUTON BLOOMINGTON, IN 47401 ITS DEPT., CITY HALL (812) 349-3448 401 N. MORTON ST. stinsonm@bloomington.in.gov SUITE 150 BLOOMINGTON, IN 47404 (812) 349-3856

REVISIONS				
SHEET NO.	DATE	REVISED		

GENERAL NOTES	
ALL REMOVAL ITEMS TO BE PAID AS CLEARING INCLUDING STRUCTURE REMOVAL, PIPE REMOVAL, PAVEMENT REMOVAL, SIDEWALK REMOVAL, ASPHALT REMOVAL, CURB REMOVAL, CURB & GUTTER REMOVAL, COMMON EXCAVATION, LINE REMOVAL, PAVEMENT MARKINGS REMOVAL.	
ALL RADII ARE TO BACK OF CURB LINE.	
ALL PLANS ARE BASED FROM GIS MAPPING WITH FIELD VERIFICATION, NOT SURVEY. ALL SITES ARE SHOWN BOTH WITH AND WITHOUT AERIAL BACKGROUND IN ORDER TO PROVIDE CONTEXT FOR EACH LOCATION, BUT THE AERIAL PHOTO HAS NOT BEEN ADJUSTED FOR FIT. ALL SIDEWALKS AND RAMPS ARE TO LINE UP WITH ADJACENT SEGMENTS, AND DIMENSIONS GIVEN SHALL GOVERN.	
IN BUMPOUT AREAS WHERE EXISTING STREET PAVEMENT IS TO BECOME SIDEWALK, RAMP, OR SODDED AREAS, THE EXISTING CONCRETE OR ASPHALT IS TO BE FULLY REMOVED. COMPACTED AGGREGATES AND SUB-BASES MAY REMAIN IN PLACE IN AREAS UNDER SIDEWALK AND RAMPS, BUT THESE SHALL ALS BE REMOVED IN AREAS TO BE SODDED, IN AREAS TO BE SODDED, THE FILL BELOW THE SOD SHALL BE COMPACTED TOPSOIL WITH A THICKNESS NO LESTHAN 16".	
THE NARROW SPACE ALONGSIDE SIDEWALK REPLACEMENTS SHALL BE TOPSOILED AND SODDED AS NEEDED TO RESTORE THE AREA DISTURBED, BUT ARE GENERALLY NOT LABELLED ON THE PLANS TO REDUCE CLUTTER.	
EXPANSION JOINTS ARE NOT SHOWN, BUT ARE REQUIRED PER STANDARD PRACTICE. LOCATIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, EACH SIDEWALK END LIMIT, WHERE WALKS MEET TURNING SPACES, AND WHERE SIDEWALKS ABUT WALLS, STEPS, AND OTHER FIXED FEATURES.	
UTILITIES ARE TO BE LOCATED AND DEPTHS VERIFIED IN ALL LOCATIONS WITH PROPOSED PIPES OR STRUCTURES.REPORT RESULTS TO ENGINEER IF ADJUSTMENTS ARE NEEDED TO THE PROPOSED WORK.	
EXISTING MARKINGS, WHERE PRESENT AND IN CONFLICT, SHALL BE REMOVED WITH MINIMUM DAMAGE TO EXISTING PAVEMENT PRACTICABLE.	

INDEX				
SHEET NO.	DRAWINGS INDEX			
/	TITLE SHEET			
2	GENERAL NOTES / UTILITIES / INDEX / LEGEND			
3 - 5	TYPICAL DETAILS			
6	MAINTENANCE OF TRAFFIC AND EROSION CONTROL			
7	OVERALL SITE PLAN INDEX MAP			
8 - 15	INTERSECTION SITE PLANS			
16	MISCELLANEOUS SUMMARY OF QUANTITIES			

GENERAL LEGEND (EXISTING SCREENED, PROPOSED IN BOLD)

LIGHT POLE WATER VALVE INLETS HYDRANT

TREES

POWER POLE

SIGN

MANHOLE (STORM, SANITARY)

TELECOM MANHOLES

MAINTENANCE OF TRAFFIC AND EROSION CONTROL ITEMS

INDOT STANDARD DRUM WITH STEADY BURN LIGHTS

TEMPORARY CONSTRUCTION FENCING, 48" MESH, ORANGE, ON TEMPORARY STANDS

TRAFFIC FLOW DIRECTION

CONSTRUCTION SIGNS (SHAPE PER MUTCD)



FLASHING ARROW SIGN

INLET PROTECTION, CURB

PROPOSED ITEMS

BRICK PAVING (SEE DETAIL) ON CONCRETE BASE

CURB CONCRETE REMOVE OR CURB AND GUTTER REMOVE

CONSTRUCTION LIMITS

DRIVE REPLACEMENT PCCP FOR APPROACHES, 9" on COMPACTED AGGREGATE NO. 53's BASE (INCLUDES PAVEMENT REMOVAL)

CONCRETE SIDEWALK, 4"

ROAD PATCHING (PCC BASE PATCHING, 12", UNDER 165#/SYD HMA SURFACE, PAID AS HMA PATCHING, TYPE B)(SEE DETAIL) (INCLUDES PAVEMENT REMOVAL)

REMOVAL ITEMS OF SIDEWALK, PAVEMENT, AND PAVEMENT MARKINGS TO BE INCLUDED IN OTHER ITEMS.

MILLING, ASPHALT, 1.5", THEN ASPHALT FOR TACK COAT, AND

RESURFACE WITH HMA SURFACE, TYPE B, PAID AS HMA PATCHING, TYPE B CONCRETE CURB, OR CURB AND GUTTER, BARRIER, 6" OR VARIES TO MATCH EXISTING ADJACENT CURB HEIGHT

SODDING, NURSERY, ON 4" OF TOPSOIL

3" MULCH HARDWOOD SHREDDED BARK OVER 4" TOPSOIL, OR TOPSOIL THICKNESS,

MINIMUM 16" IN AREAS OF EXISTING PAVEMENT/HARDSCAPE. TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALKS AND STOP BARS, WHITE, 24"

CURB PAINTING, YELLOW

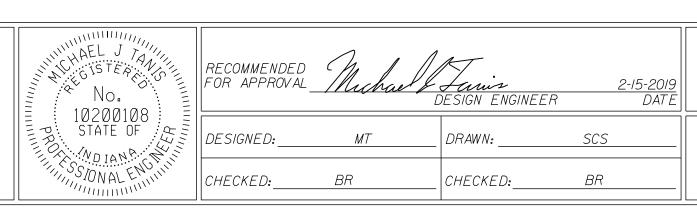
RAMP/SIDEWALK GRAPHICS

SLOPED PORTION OF RAMP (OR SIDEWALK TRANSITION) (POINTS DOWNHILL)



TURNING SPACE -THIS AREA CANNOT EXCEED 2% IN ANY DIRECTION

DETECTABLE WARNING SURFACE



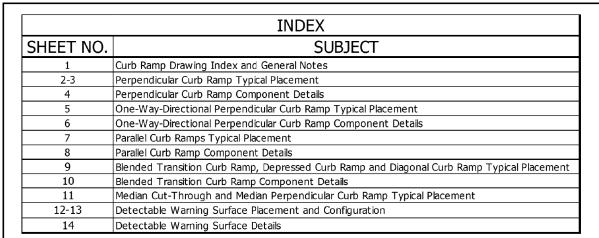
CITY OF BLOOMINGTON
CITE OF BLOOMINGTON
PLANNING AND TRANSPORTATION

INDEX / GENERAL NOTES / LEGEND /

UTILITY DATA

N/A VERTICAL SCALE DESIGNATION N/A SURVEY BOOK SHEETS of PROJECT CONTRACT

HORIZONTAL SCALE

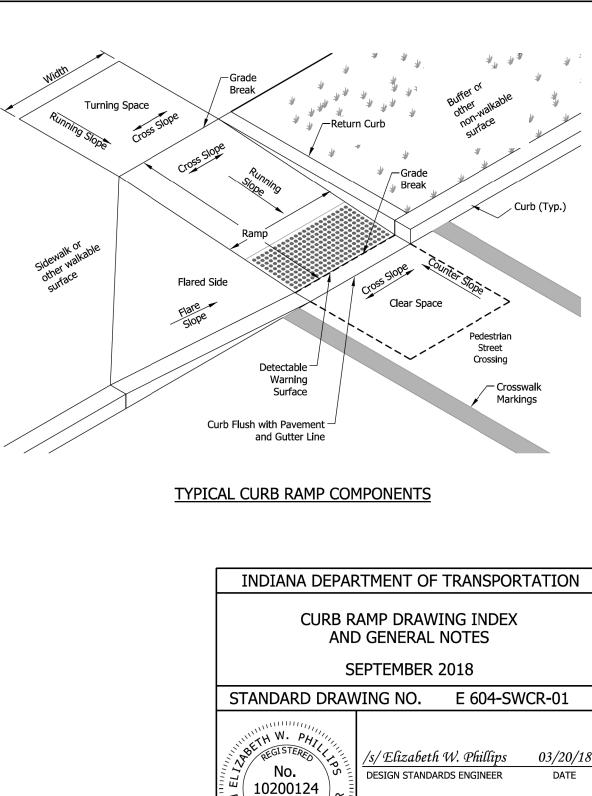


GENERAL NOTES:

- 1. All slopes are absolute rather than relative to the sidewalk or roadway grade. Slopes at least 0.50% less than the maximum are preferred.
- 2. Ramp or Blended Transition. A ramp or blended transition shall be used to lower or raise the sidewalk to connect with the street or highway.
- 3. Turning Space. A turning space shall be provided at the top of a perpendicular ramp, bottom of a parallel ramp, or where the pedestrian travel requires a change in direction. A common turning space may be shared by adjacent ramps. The turning space shall have a minimum clear dimension of 4 ft x 4 ft. Where the turning space is constrained at the back of the sidewalk by a curb, retaining wall, building, or feature over 2 inches in height, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.
- 4. Flared Side. A flared side shall be used adjacent to a walkable surface. A flared side may be used adjacent to a non-walkable surface. A flared side shall have a maximum slope of 10.00% measured parallel to the back of the curb.
- 5. Return Curb. A return curb is placed perpendicular to the roadway curb. A return curb may be used adjacent to a non-walkable surface. A return curb shall not be used adjacent to a walkable surface. The return curb may be omitted where the non-walkable surface is flared and the curb adjacent the roadway is tapered to meet the flush curb at the bottom of the ramp.
- 6. Clear Space. A clear space shall be provided beyond the bottom grade break of a curb ramp wholly contained within the crosswalk and wholly outside the parallel vehicular travel path. The clear space shall have a minimum clear dimension of 4 ft x 4 ft.
- 7. Detectable Warning Surface. A detectable warning surface shall consist of truncated domes and be placed at each street, highway, or railroad crossing. The detectable warning surface shall extend a minimum of 2 ft in the direction of pedestrian travel and be placed the entire width of a ramp, blended transition, or turning space.
- 8. Running Slope. The running slope of a ramp, blended transition, or turning space shall be measured parallel to the direction of pedestrian travel.
- a. A running slope of 2.00% or less is considered level.b. A ramp shall have a maximum running slope of 8.33% but shall not require a ramp length to exceed 15 ft.

c. The maximum cross slope at a midblock crossing shall be the established grade of the adjacent roadway.

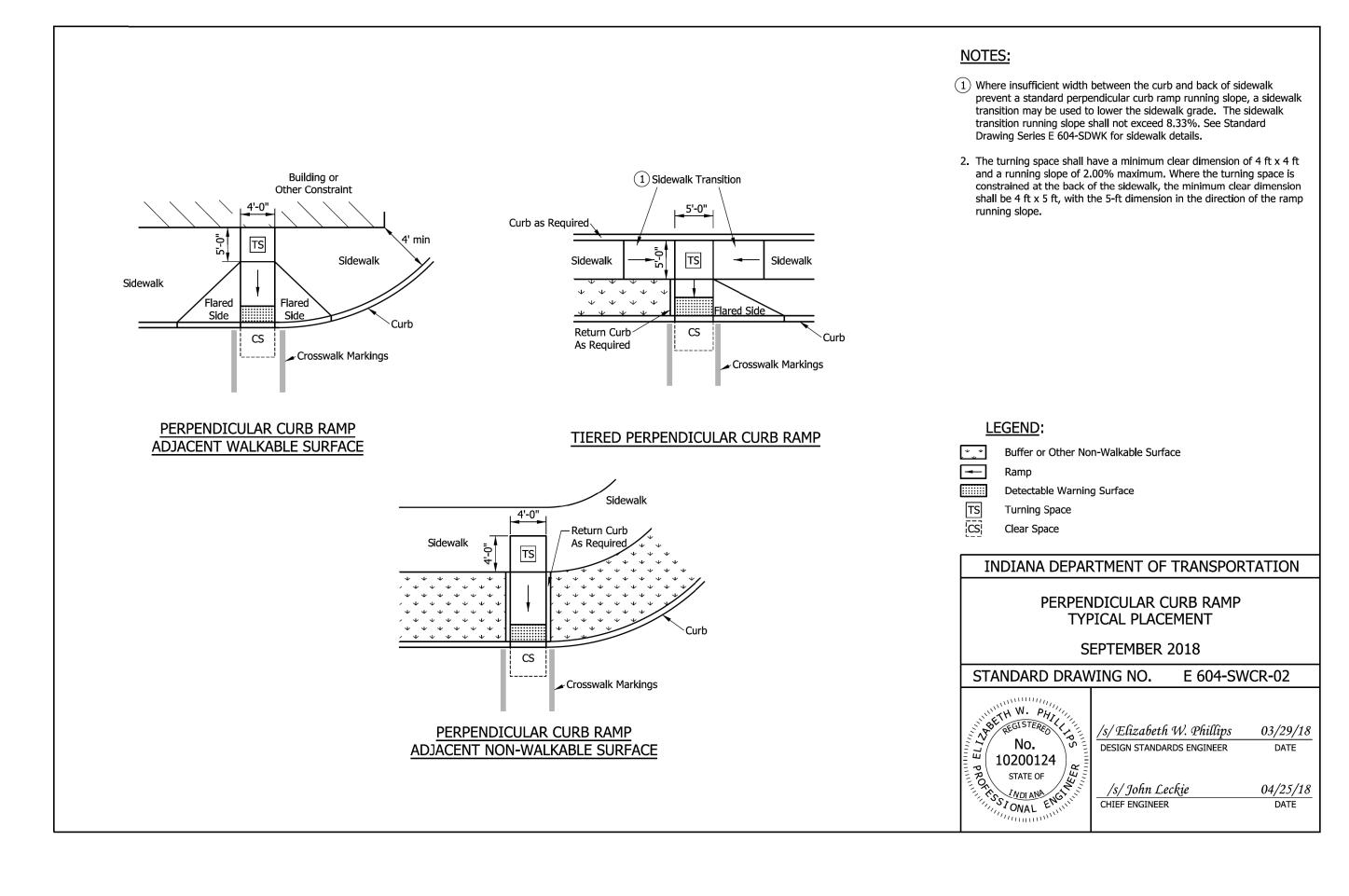
- c. A blended transition shall have a maximum running slope of 5.00%.
 d. A turning space shall have a maximum running slope of 2.00%.
- 9. Width. Unless otherwise noted, minimum width of a ramp, blended transition, or turning space, excluding flared sides or return curb, shall be 4 ft.
- 10. Grade Break. A grade break at the top and bottom of a ramp, blended transition, or turning space shall be perpendicular to the running slope. Grade breaks shall not be within the ramp, blended transition, turning space, or detectable warning surface. Grade breaks shall be flush. Vertical discontinuities shall not be greater than 1/2 in. Where a discontinuity is greater than 1/4 in. the surface shall be beveled with a slope not steeper than 1V:2H.
- 11. Cross Slope Exceptions. The cross slope of a ramp, blended transition, or turning space shall be measured perpendicular to the direction of pedestrian travel.a. The maximum cross slope at a pedestrian street crossing without yield or stop control shall be 5.00%.b. The maximum cross slope at a pedestrian street crossing with yield or stop control shall be 2.00%.
- 12. Counter Slope. A counter slope is the cross slope of the gutter or street adjacent the running slope of the ramp, blended transition, or turning space. See Standard Drawing E 604-SWCR-14 for counter slope details.
- 13. Objects such as a utility cover, vault frame, and grating shall be placed outside the curb ramp.
- 14. Curb ramps shall be placed within the marked crosswalk area.
- 15. Drainage inlets should be located uphill from a curb ramp to prevent ponding in the path of pedestrian travel.

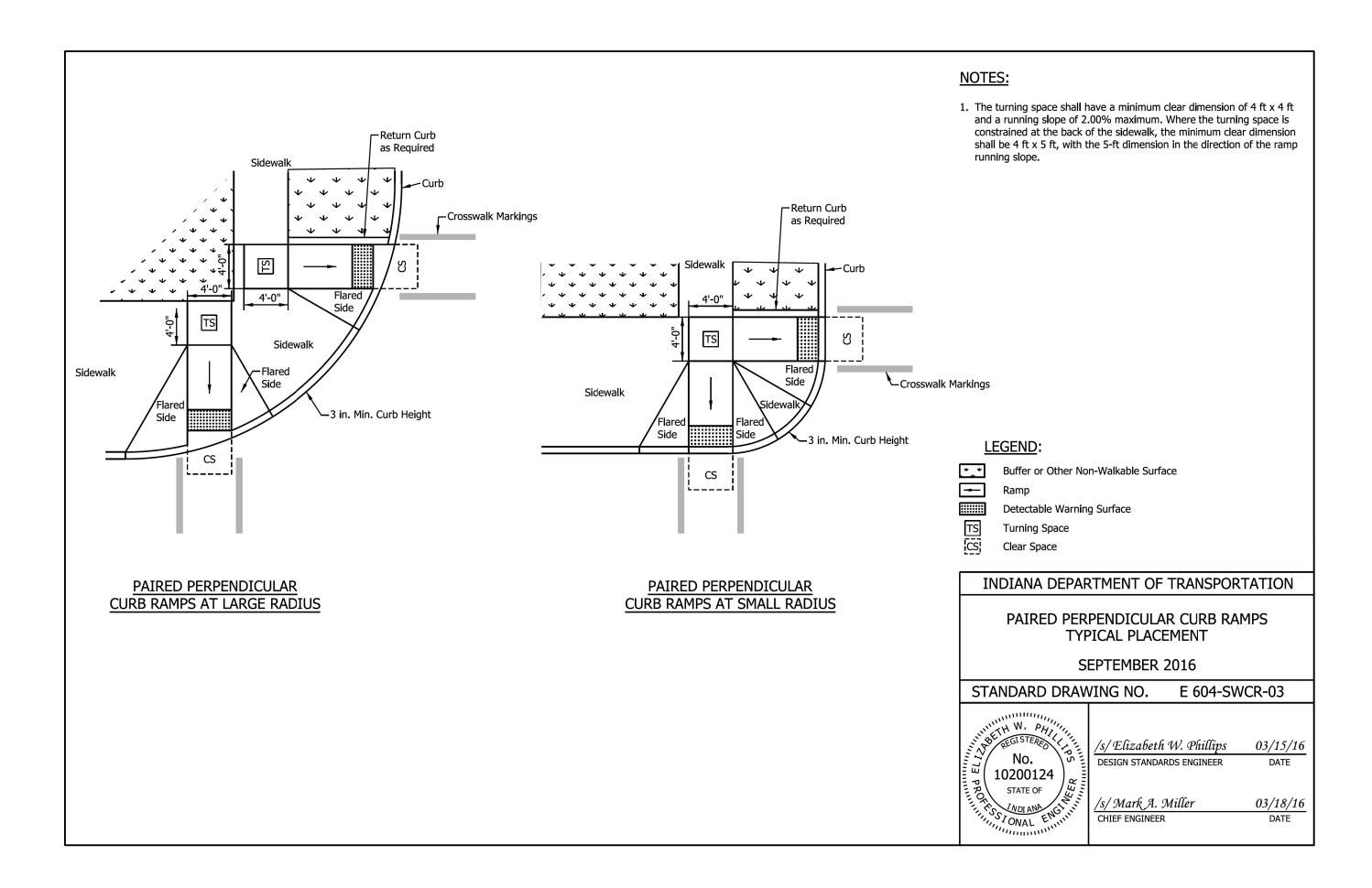


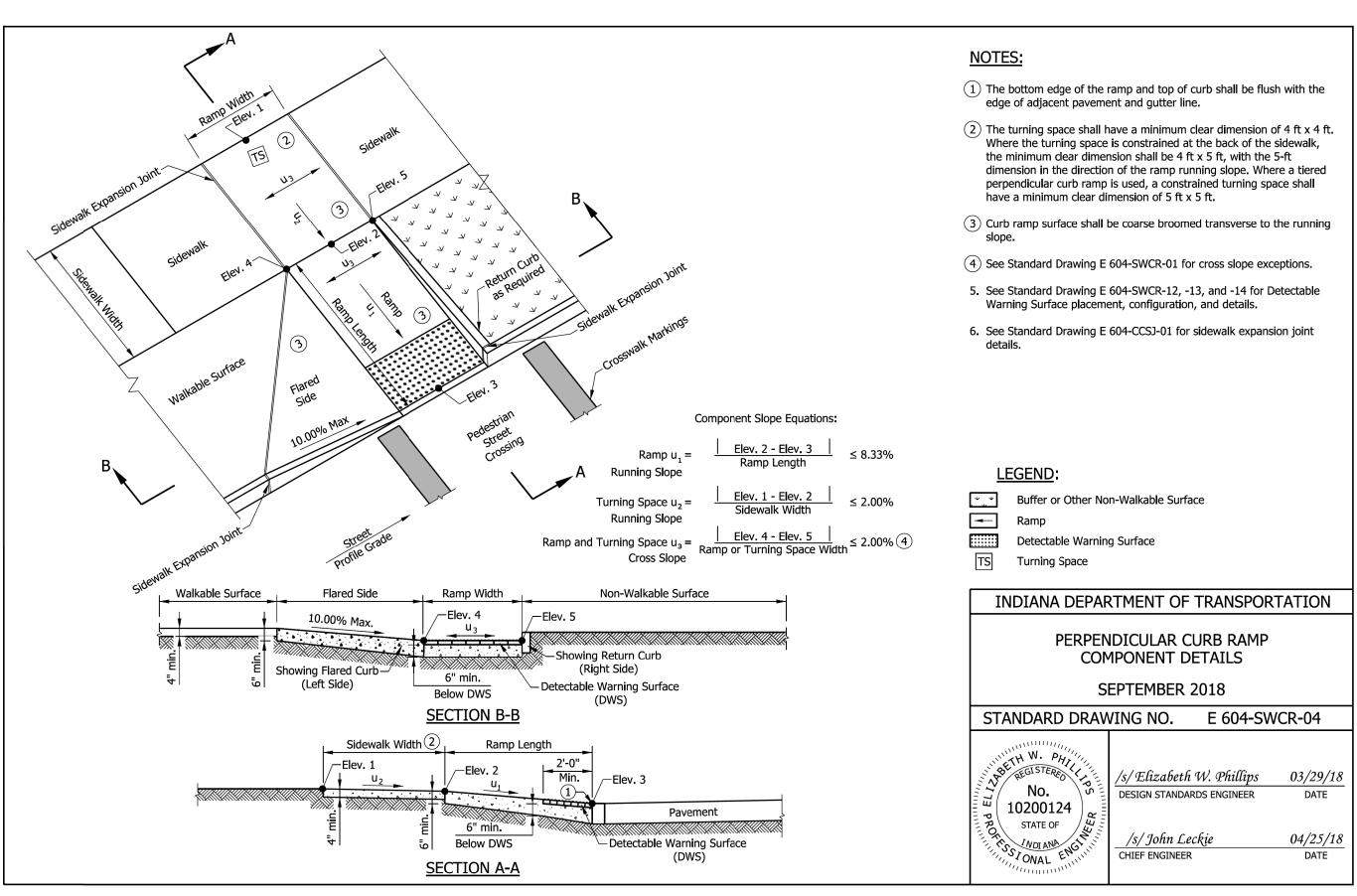
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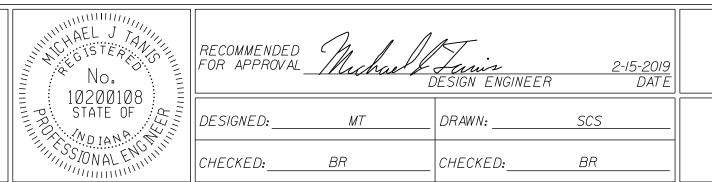
s/John Leckie

CHIEF ENGINEER









CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

TYPICAL DETAILS

HORIZONT AL SCALE

N/A

VERTICAL SCALE

DESIGNATION

N/A

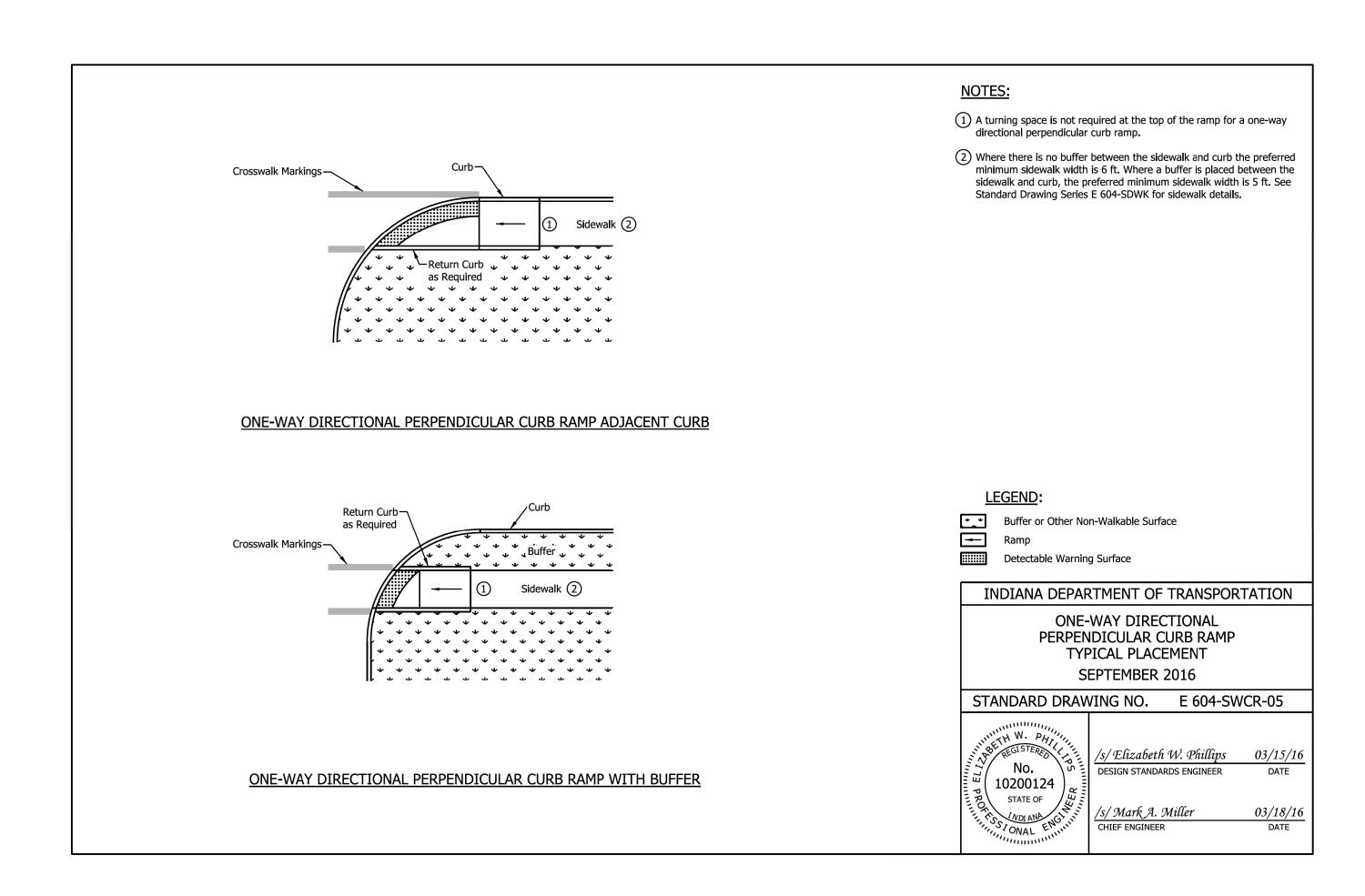
SURVEY BOOK

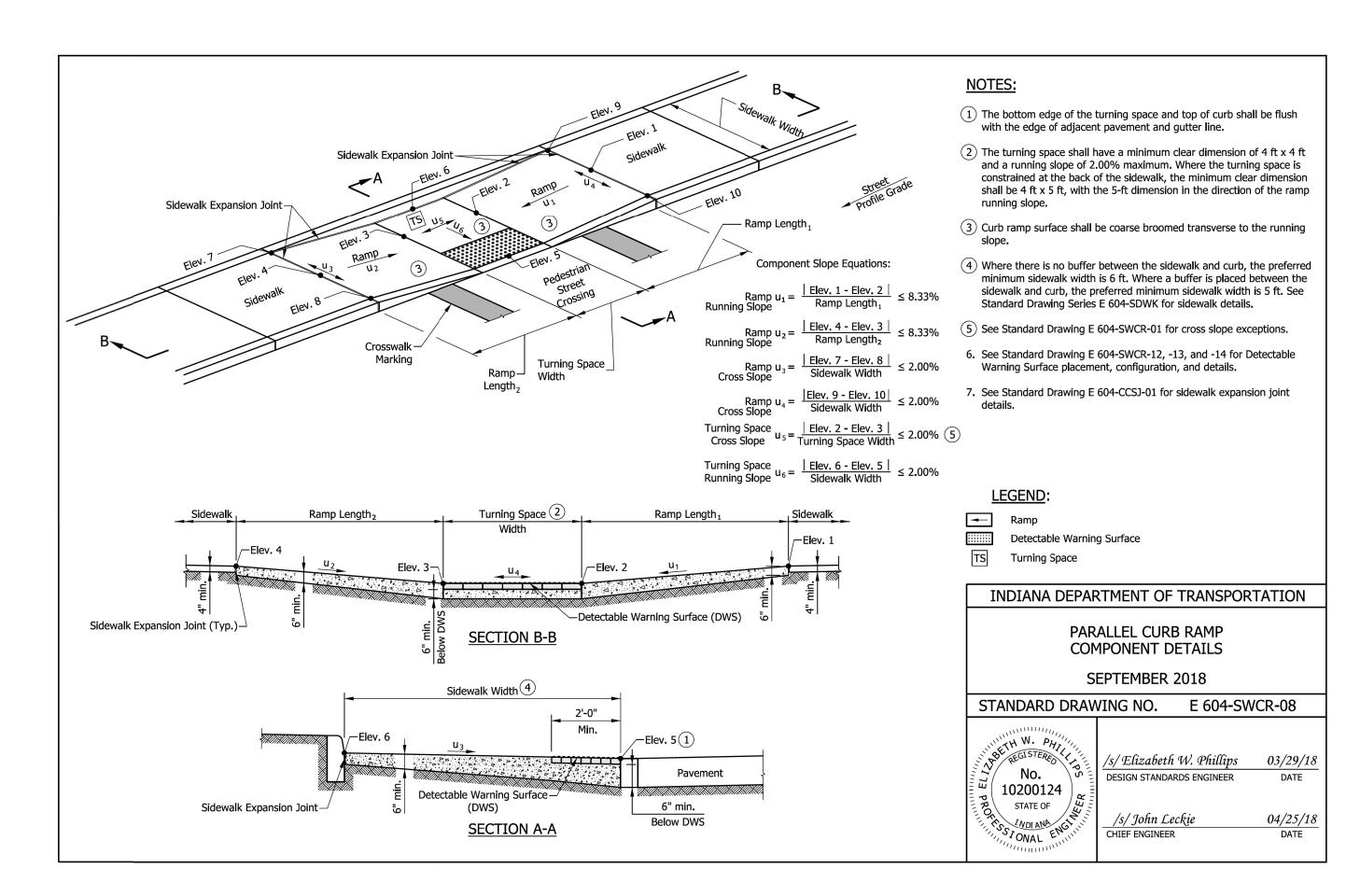
SHEETS

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CONTRACT

PROJECT





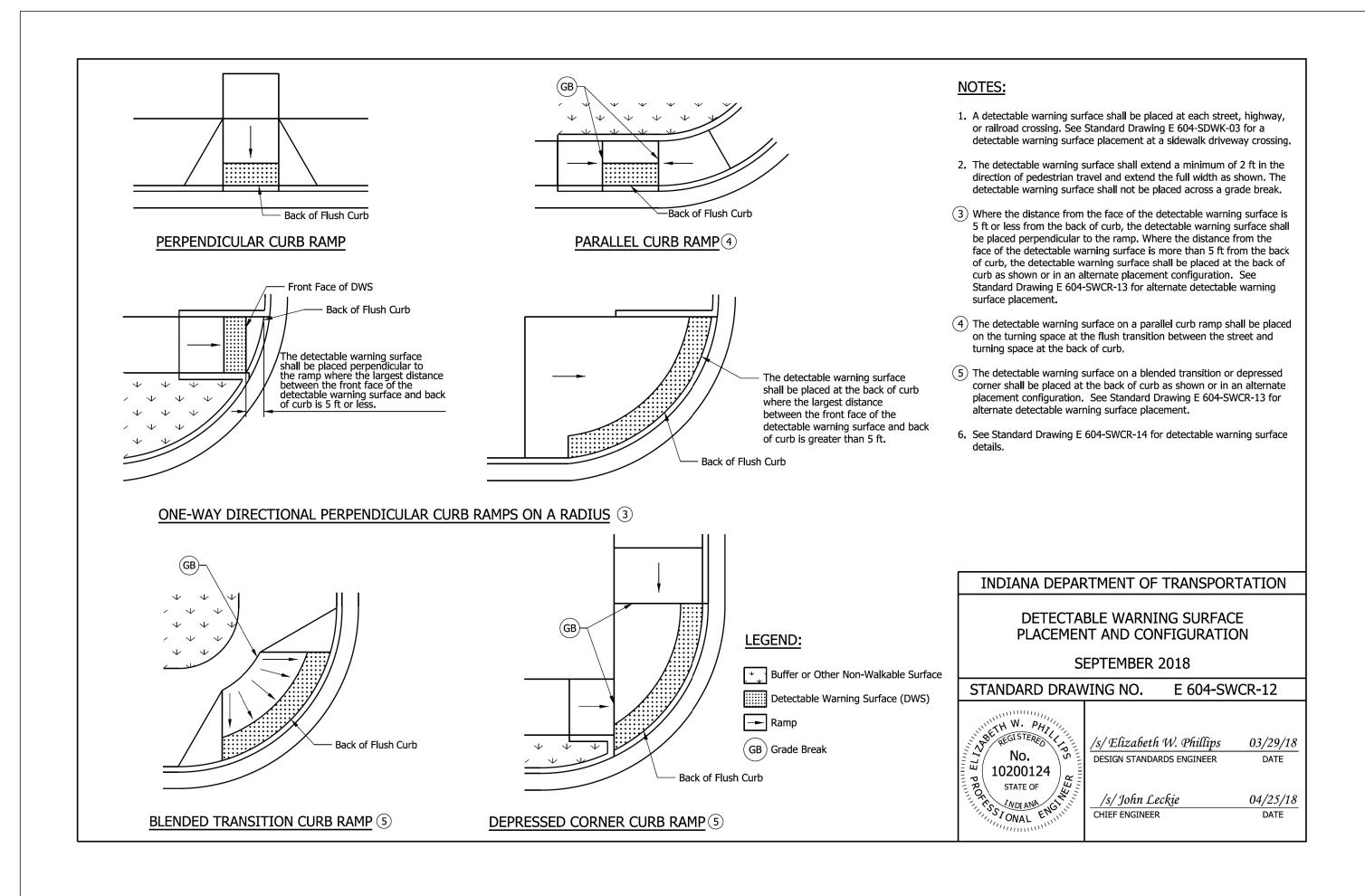


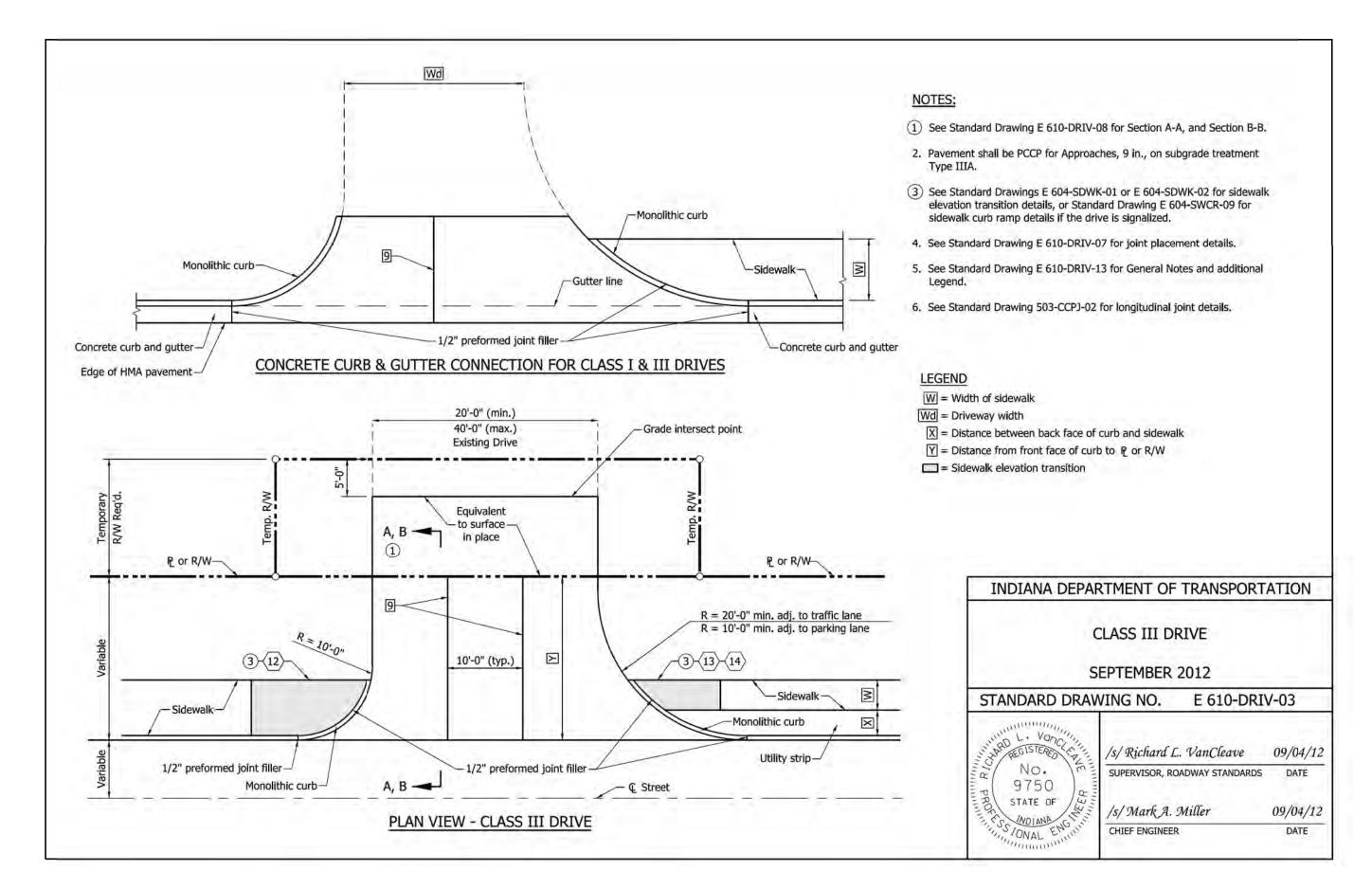
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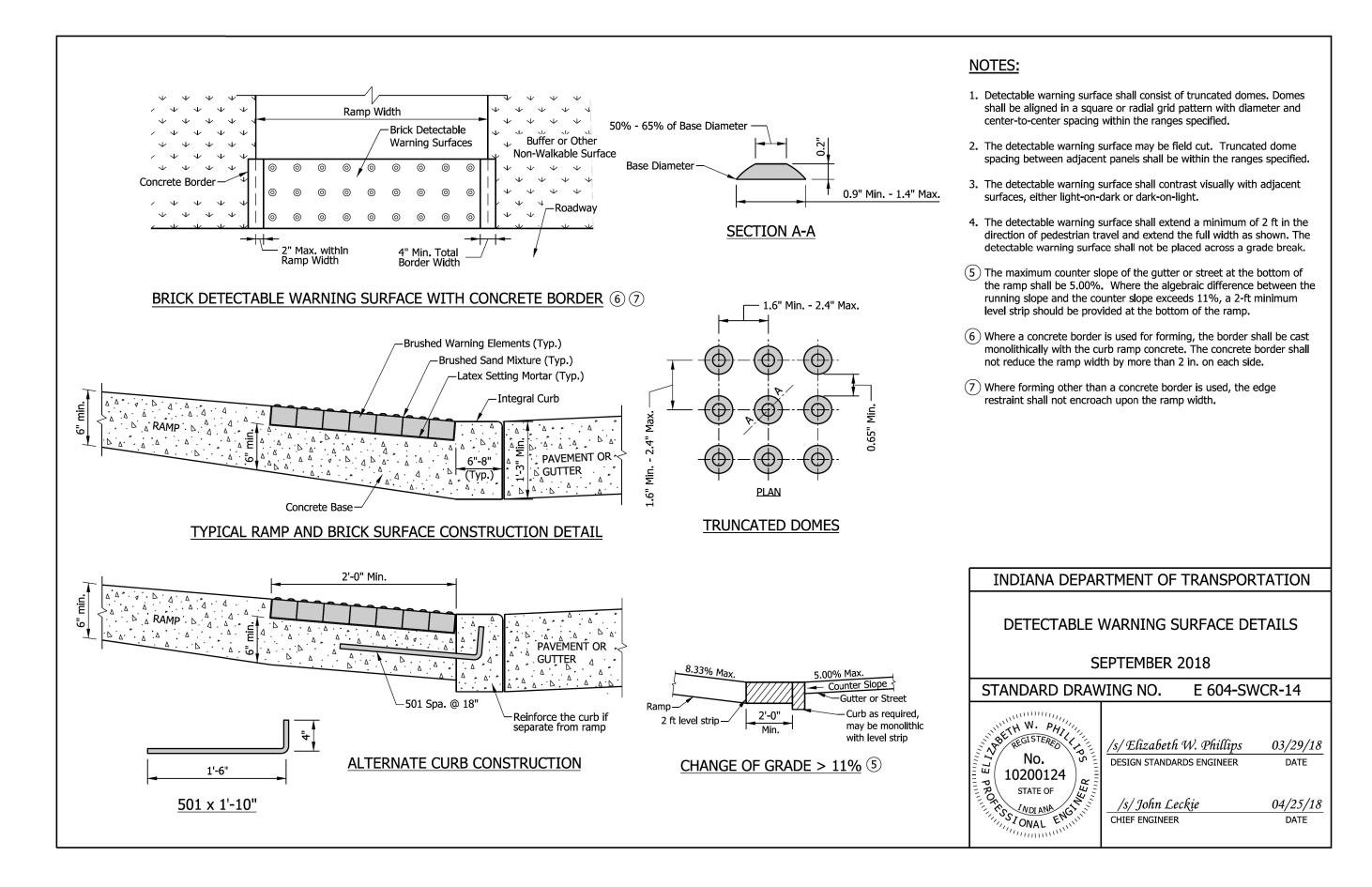
CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

TYPICAL DETAILS

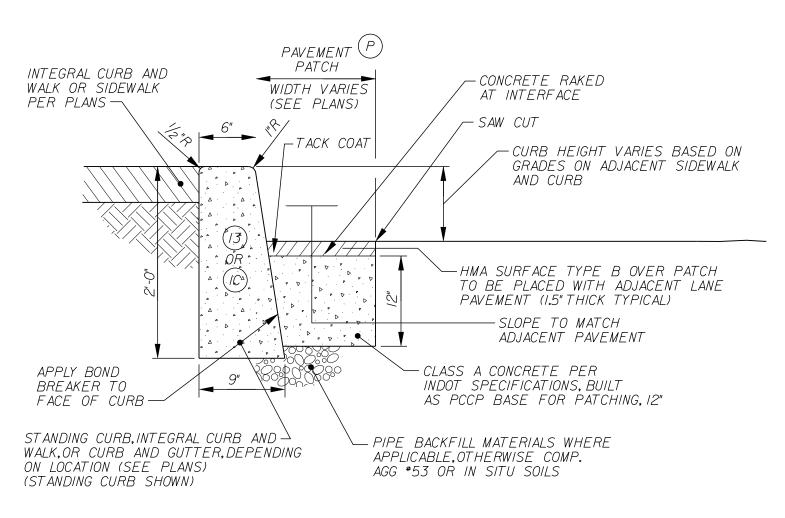
HORIZONTAL SCALE				
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VERTICAL SCALE	DESIGNATION			
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SURVEY BOOK	SHEETS			
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CONTRACT	PROJECT			







CONTRACTOR SHALL PROVIDE SUBSTITUTION OF CAST STEEL PLATES IN LIEU OF THE BRICKS SHOWN HERE. OTHER **ELEMENTS OF THIS DETAIL APPLY.**



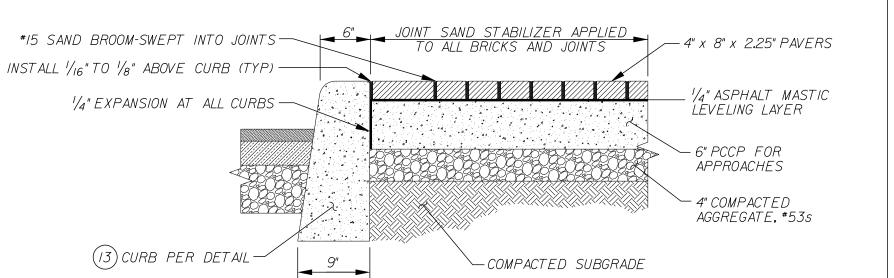
PAVEMENT PATCH AND OVERLAY DETAIL NOTES:

- I. AREA BEHIND CURBS TO RECEIVE TREATMENT AS SHOWN ON PLANS. 2. REFER TO CURB JOINTS NOTES FOR CURB JOINTING.
- 3. PAVEMENT PATCHING MAY NOT BE REQUIRED IF EXISTING
 PAVEMENT CAN BE REMOVED TO A CLEAN AND STRAIGHT EDGE AT FRONT OF PROPOSED CURB OR GUTTER. CITY APPROVAL IS REQUIRED. 4. PAVEMENT PATCHING REQUIRED WHEREVER EXISTING PAVEMENT MUST BE REPAIRED OR REPLACED NEXT TO REQUIRED CURB, DRIVE OR SIDEWALK WORK.

LIGHT BROOM FINISH -_4,000 PSI C.I.P. CONCRETE TOOLED SCORE MEDIUM BROOM FINISH FINISH 0.5% MIN, 2% MAX SLOPE PAVEMENT GRADE (SEE NOTES) *53 COMPACTED *AGGREGATE* - COMPACTED SUBGRADE VARIES (SEE PLAN) INTEGRAL CURB AND WALK I. HAND FINISH CURB TO A 6" DEPTH (TYP.)

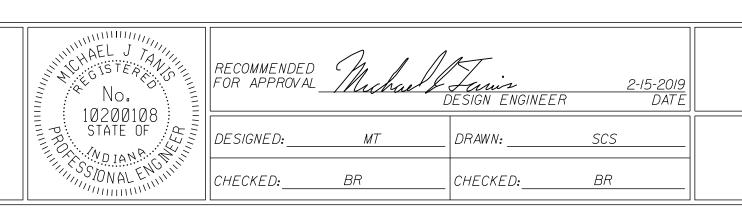
2. THIS DETAIL MAY BE USED WHERE NEW CONCRETE WALKS ARE NEXT TO NEW CURBS.

3. USE IN CONJUNCTION WITH PAVEMENT PATCH DETAIL.

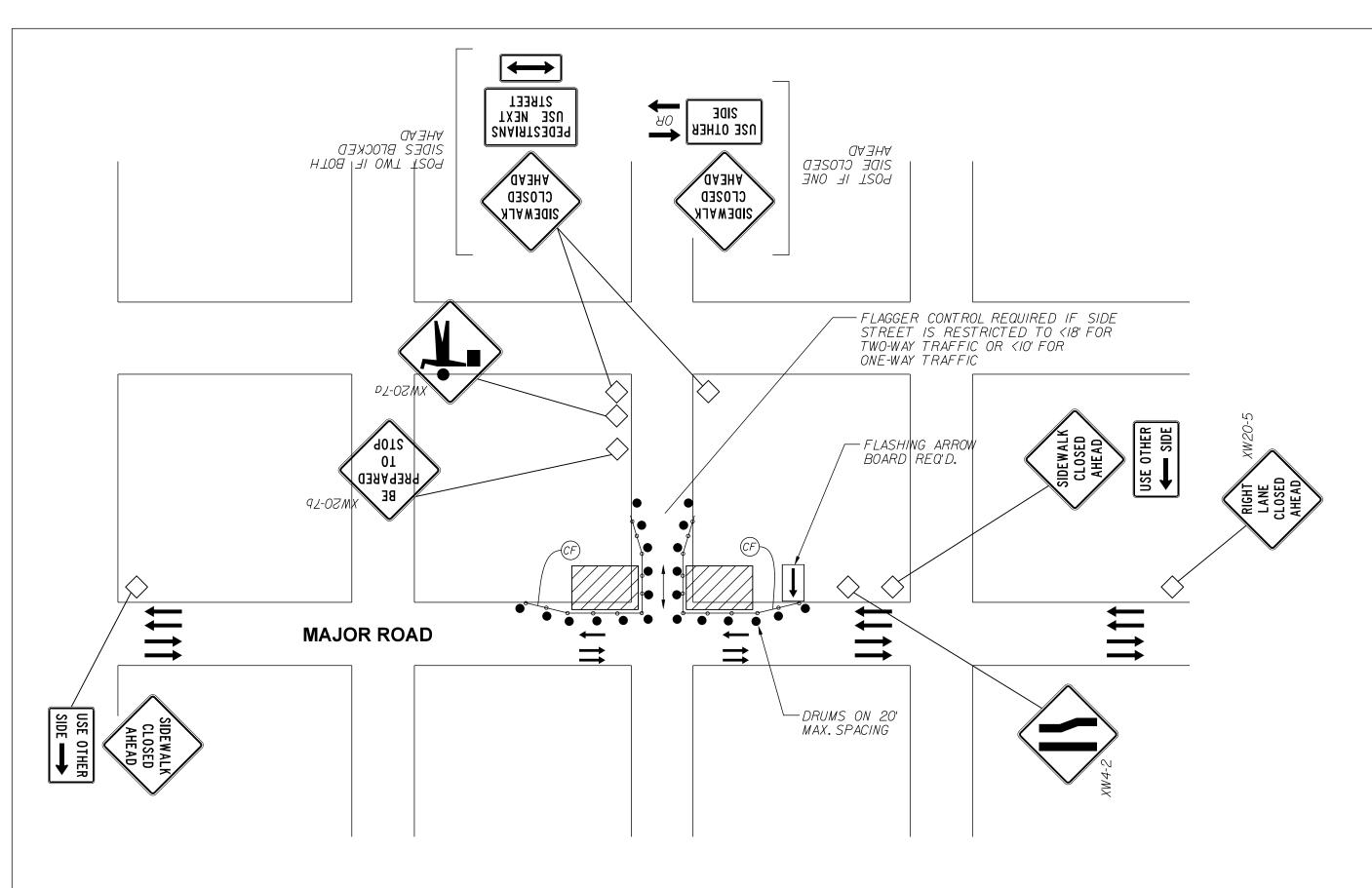


BRICK PAVEMENT OVER CONCRETE IN SIDEWALK AREAS

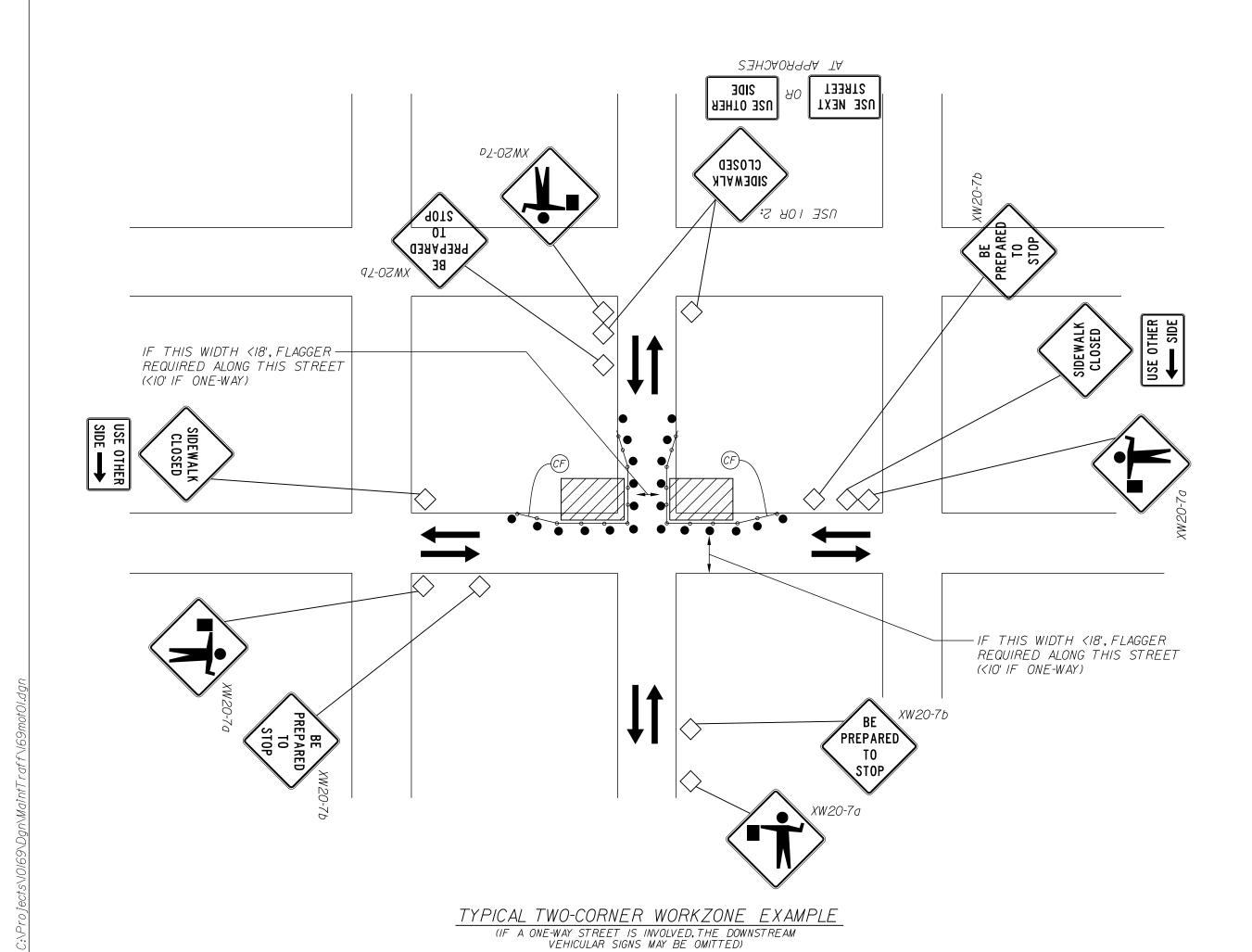
THIS DETAIL ONLY PROVIDED IN THE EVENT THAT THE CONTRACTOR DISTURBS AN AN AREA THAT IS CURRENTLY AND IS INTENDED TO REMAIN BRICK. NO NEW BRICK PAVEMENT IS OTHERWISE REQUIRED.



HORIZONTAL SCALE CITY OF BLOOMINGTON N/APLANNING AND TRANSPORTATION VERTICAL SCALE DESIGNATION N/A SHEETS SURVEY BOOK of TYPICAL DETAILS CONTRACT PROJECT



MULTI-LANE ROAD EXAMPLE



WORK SEQUENCING / REQUIREMENTS:

CONTRACTOR MAY WORK AS MANY INTERSECTIONS AS THEY WISH AT A TIME, BUT NO MORE THAN 2 CORNERS MAY BE WORKED AT A TIME AT EACH SITE, AND THESE ADJACENT CORNERS MUST BE ON THE SAME SIDE OF THE DOMINANT STREET.

IF ADJACENT INTERSECTIONS ALONG WASHINGTON OR 6TH ARE WORKED AT THE SAME TIME, THEN THE WORKZONES MUST BE ON THE SAME SIDE OF THESE STREETS AT EACH INTERSECTION.

ROAD RESTRICTION OR CLOSURE REQUIREMENTS:

- I. NO FULL ROAD CLOSURES WILL BE ALLOWED FOR THIS WORK.
- 2. ALL ROAD RESTRICTIONS SHALL ONLY BE PERFORMED AFTER PERMITTING AND NOTIFICATION REQUIREMENTS HAVE BEEN MET.
- 3. WHERE PUBLICLY-USED PARKING IS TO BE RESTRICTED OR BLOCKED TO PROVIDE CONTRACTOR STAGING OR WORKING SPACE, THE CONTRACTOR SHALL COORDINATE THROUGH THE CITY TO HAVE THESE SPACES POSTED FOR NO PARKING ON (SPECIFIC DATES) A MINIMUM 5 BUSINESS DAYS IN ADVANCE OF SUCH CLOSURE.
- 4. AS A GENERAL RULE, ROAD RESTRICTIONS SHALL BE LIFTED DAILY AS WORK IS COMPLETED FOR THE DAY, RETURNING THE ROAD TO NORMAL VEHICULAR USE EACH DAY. PARKING LANES MAY BE KEPT CLOSED BUT ONLY WITH CITY APPROVAL IN ADVANCE, AND ONLY FOR THE TIME NECESSARY TO SUPPORT WORK IN PROGRESS AND EXPECTED TO RESUME THE FOLLOWING DAY.
- 5. CONTRACTOR MUST SUPPORT TRAFFIC FLOW, EVEN IF WITH FLAGGERS. TO THE MAXIMUM EXTENT PRACTICABLE. CONTRACTOR MUST ALWAYS BE ABLE TO CLEAR A MINIMUM OF ILANE WIDTH TO ACCOMODATE EMERGENCY VEHICLES.
- 6. ANY MULTI-LANE ROADS MAY NEVER HAVE MORE THAN I LANE RESTRICTED.WHERE ANY PORTION OF THESE MULTI-LANE ROADS IS TO BE RESTRICTED, THE RESTRICTION SHALL BE SET TO A FULL LANE, NOT A PARTIAL LANE, AND FULL ADVANCE SIGNAGE SHALL BE USED TO MAXIMIZE SPACE FROM THE WORK TO FLOWING TRAFFIC.
- 7. ROGERS STREET MUST SUPPORT TWO-WAY TRAFFIC, AND MAY NOT BE RESTRICTED TO LESS THAN 18'.
- 8. IN ADDITION TO THE REQUIREMENTS ABOVE,ALL OTHER STREETS SHALL HAVE A MINIMUM I LANE WIDTH OPEN TO TRAFFIC,AND ANY TIME THAT THE AVAILABLE WIDTH DROPS BELOW 18' FOR A TWO-WAY STREET.OR 10' FOR A ONE-WAY STREET.FLAGGING OPERATIONS ARE REQUIRED.

PERMITTING & NOTIFICATION REQUIREMENTS:

- I. CONTRACTOR SHALL MAINTAIN A CURRENT RIGHT OF WAY PERMIT WITH THE CITY THROUGHOUT THE DURATION OF THE WORK. THERE WILL BE NO CHARGE FOR THIS PERMIT, BUT IT MUST BE FILED ALONG WITH ANY REQUIRED INSURANCE AND BONDING INFORMATION.
- 2. CONTRACTOR SHALL PROVIDE TWO BUSINESS DAYS ADVANCE NOTICE OF THE LOCATIONS THEY WILL BE WORKING AND THE ROAD RESTRICTIONS THAT SHOULD BE ANTICIPATED.

GENERAL NOTE:

- I. ALL MAINTENANCE OF TRAFFIC SHALL COMPLY WITH THE LATEST EDITION OF INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 2. CONTRACTOR SHALL NOT COMPLETELY RESTRICT ACCESS TO A SINGLE PROPERTY.

BECAUSE THE CONTRACTOR IS ALLOWED TO WORK AS MANY INTERSECTIONS CONCURRENTLY AS THEY WISH, ALL SIGNAGE, FLAGGERS, DRUMS, BARRICADES, FENCING AND OTHER ITEMS RELATED TO MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC ARE NOT TO BE MEASURED SEPARATELY, BUT INSTEAD WILL BE PAID UNDER THE LUMPSUM FOR MAINTAINING TRAFFIC.

MAINTENANCE OF TRAFFIC AND EROSION CONTROL ITEMS

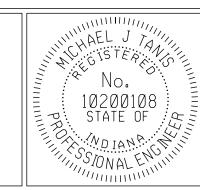


CONSTRUCTION SIGNS (SHAPE PER MUTCD) TRAFFIC FLOW DIRECTION FLASHING ARROW SIGN

(ci) INLET PROTECTION, CURB

(CF) CONSTRUCTION FENCING, 48", ORANGE ON TEMPORARY POSTS

///// WORKZONE



RECOMMENDED C FOR APPROVAL	Michaell	Lauis DESIGN ENGINEER	2	2-15-2019 DAT E	
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CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

MAINTENANCE OF TRAFFIC

AND EROSION CONTROL

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	CONTRACT	PROJECT		CT	

HORIZONTAL SCALE

MAINTENANCE OF PEDESTRIAN ACCESS NOTES:

CONTRACTOR SHALL ERECT, MAINTAIN AND MODIFY TEMPORARY

INCLUDED IN THE COSTS FOR MAINTENANCE OF TRAFFIC.

2. CONSTRUCTION FENCING SHALL BE USED IN CONJUNCTION WITH

RESTRICTED ALONGSIDE A WORKZONE.

CONDITIONS.

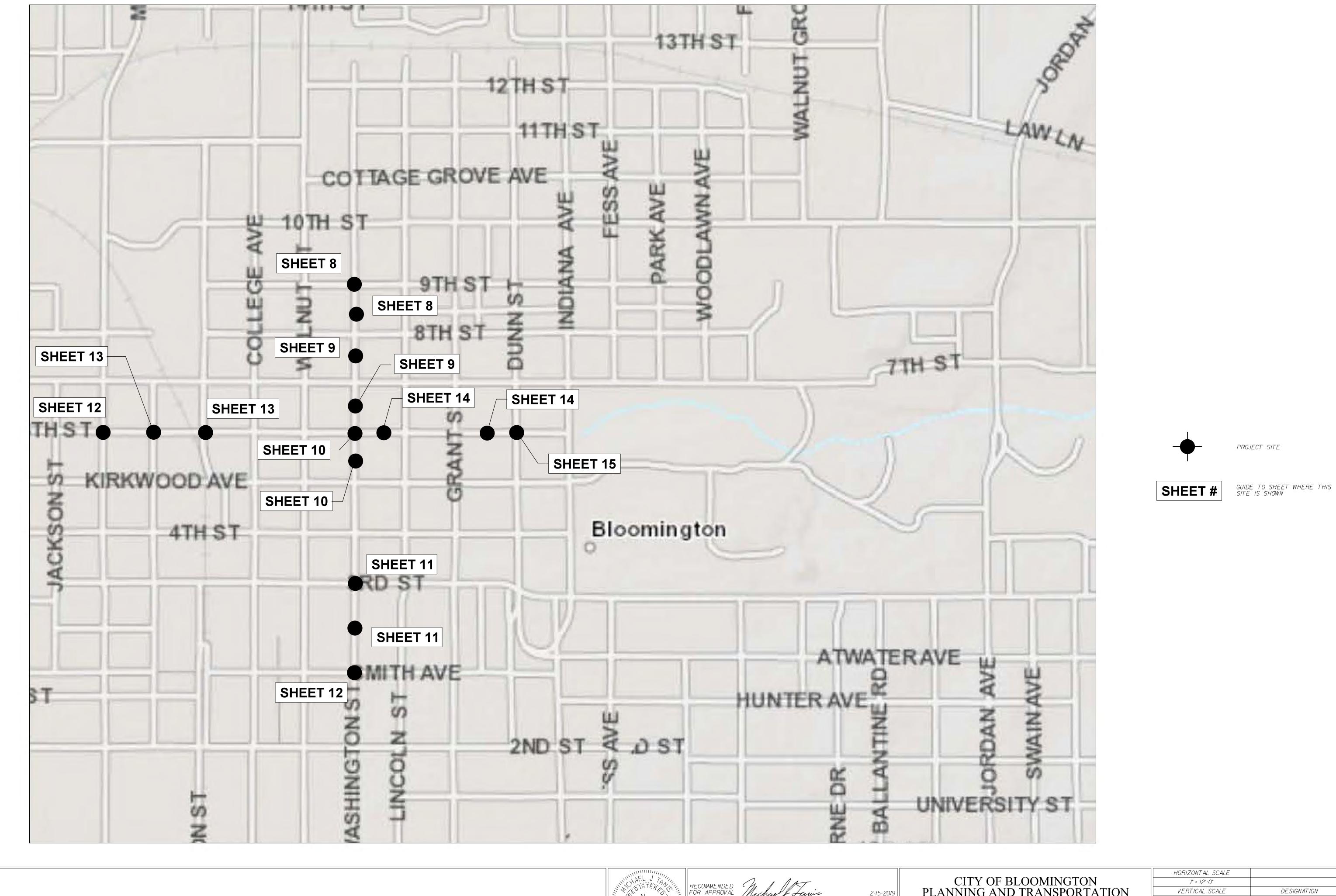
TRAFFIC DRUMS WHERE VEHICULAR TRAFFIC IS ALSO BEING

3. PEDESTRIAN SIGNAGE MUST BE KEPT UPDATED TO THE CURRENT

WORKZONES JUST AS VEHICULAR SIGNAGE IS ADJUSTED TO CURRENT

CONSTRUCTION FENCING AROUND EACH WORKZONE TO DISCOURAGE

TRESPASS DURING <u>ALL</u> PHASES. CONSTRUCTION FENCING SHALL BE



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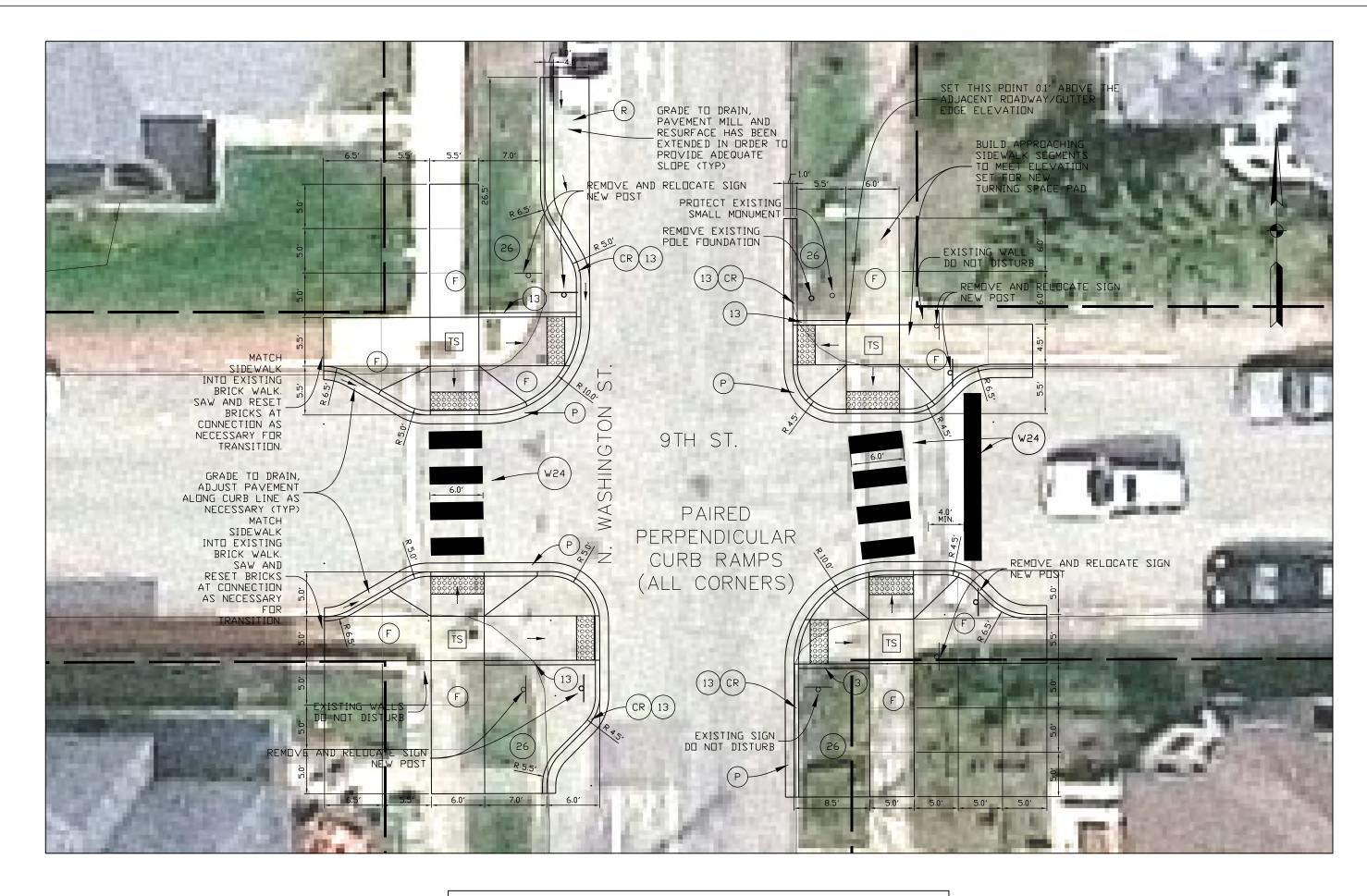
CITY OF BLOOMINGTON
PLANNING AND TRANSPORTATION

SURVEY BOOK

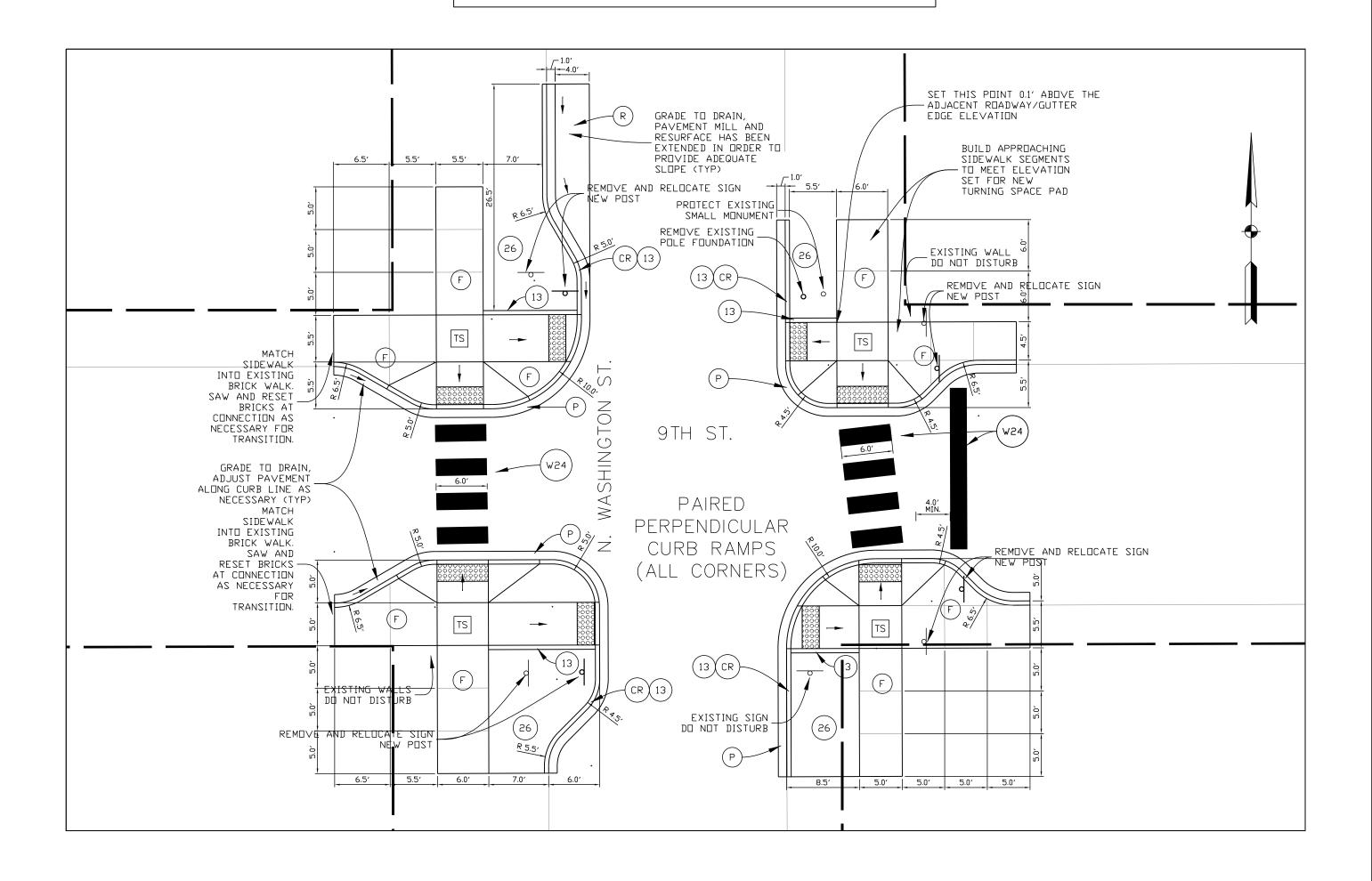
OVERALL SITE PLANS INDEX MAP

CONTRACT

HORIZONTAL SCALE				
l" = 12'-0"				
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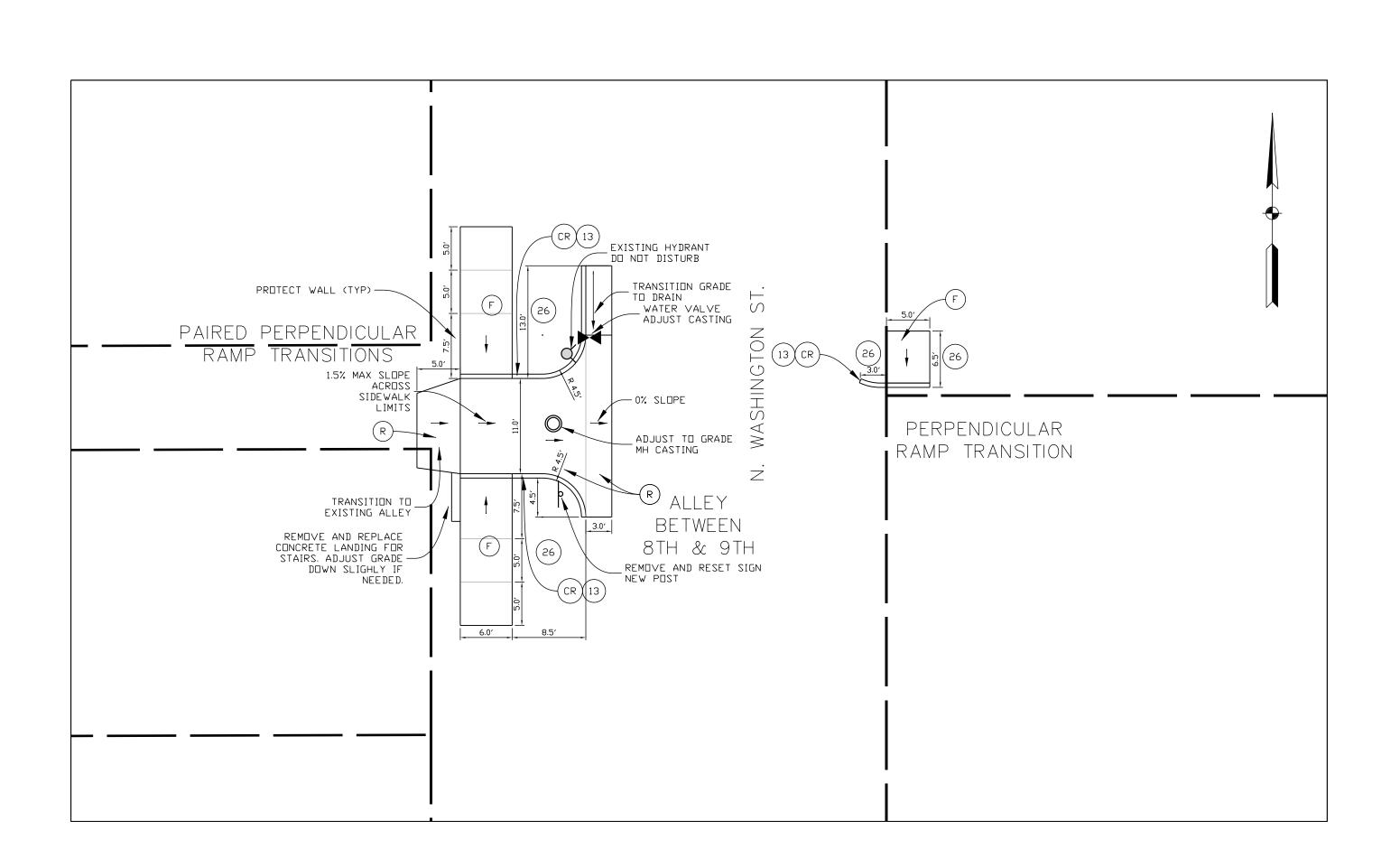


WASHINGTON STREET and 9TH STREET





WASHINGTON STREET and ALLEY



No.

10200108

STATE OF

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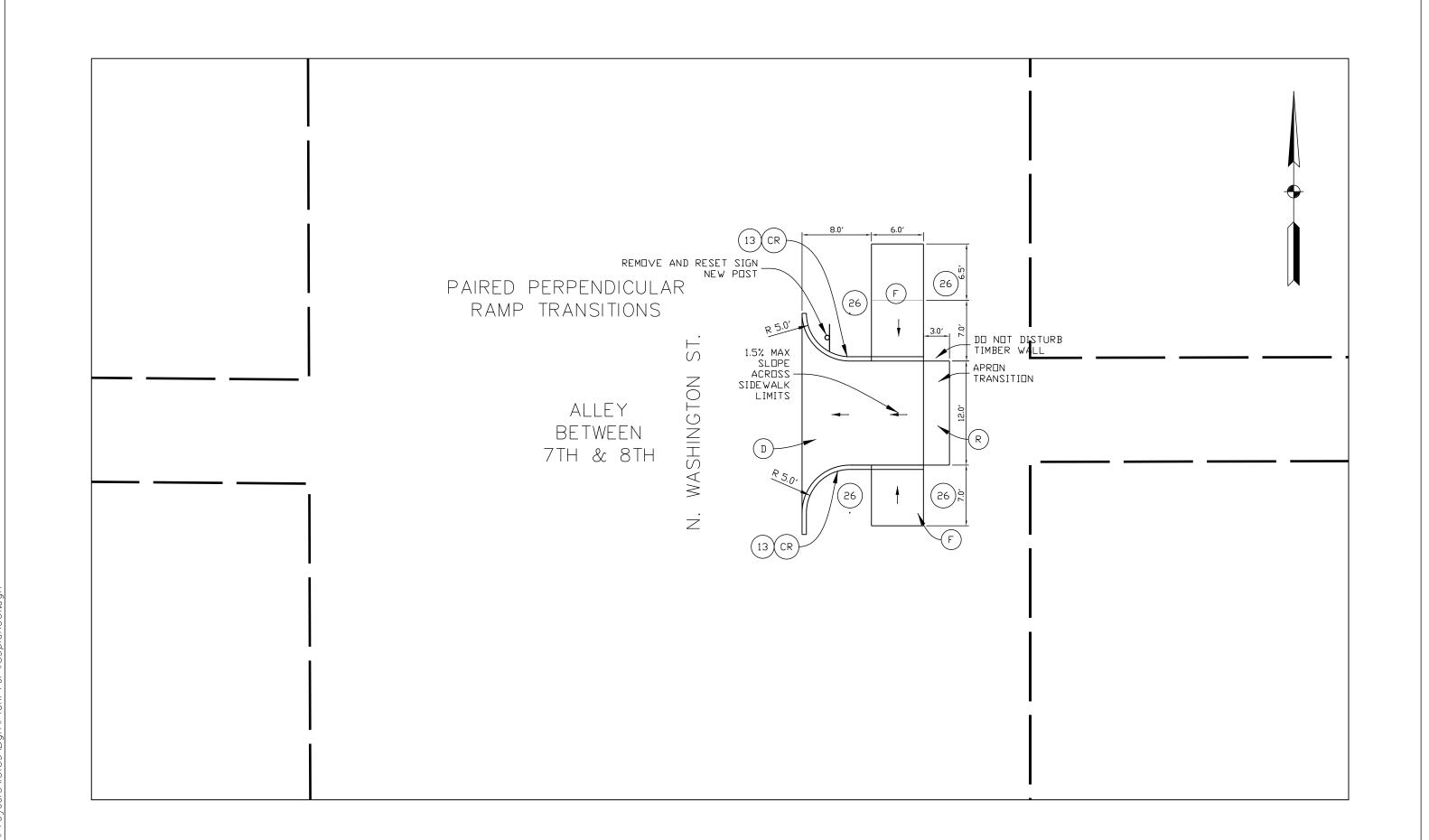
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CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL SCALE I" = 10'-0" VERTICAL SCALE	DES	SIGNAT	TION
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INTERSECTION SITE PLAN		8	of	/(
INTERSECTION SITE PLAN	CONTRACT	P	ROJEC	T

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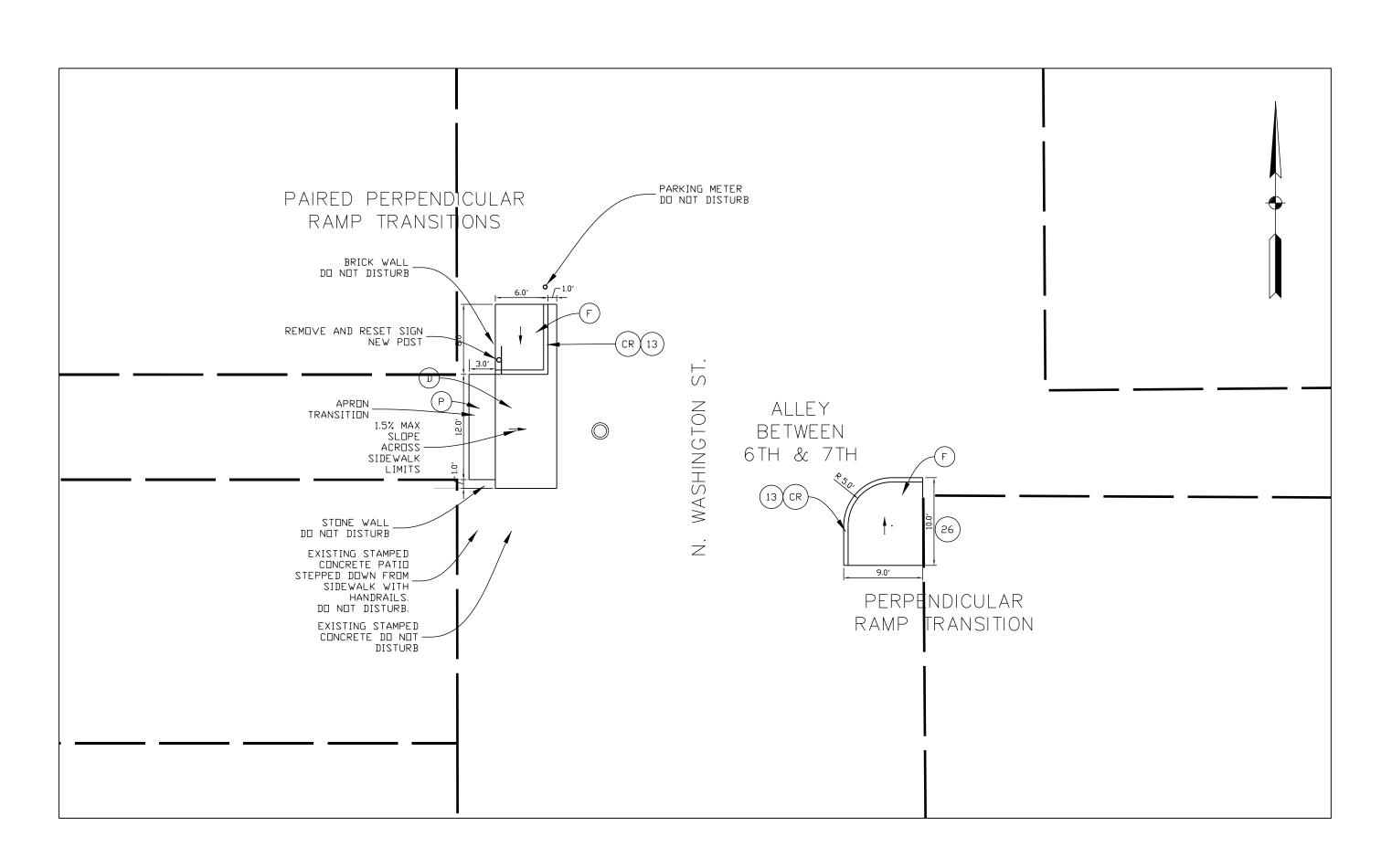


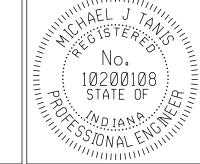
WASHINGTON STREET and ALLEY





WASHINGTON STREET and ALLEY





RECOMMENDED / Michael / E	Lauis DESIGN ENGINEER		<u>2-15-2019</u> DATE
DESIGNED: MT	DRAWN:	SCS	

CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL S I" = 10'-0" VERTICAL SC
	SURVEY BOO

INTERSECTION SITE PLAN

HORIZONT AL SCALE

I" = 10'-0"

VERTICAL SCALE

DESIGNATION

SURVEY BOOK

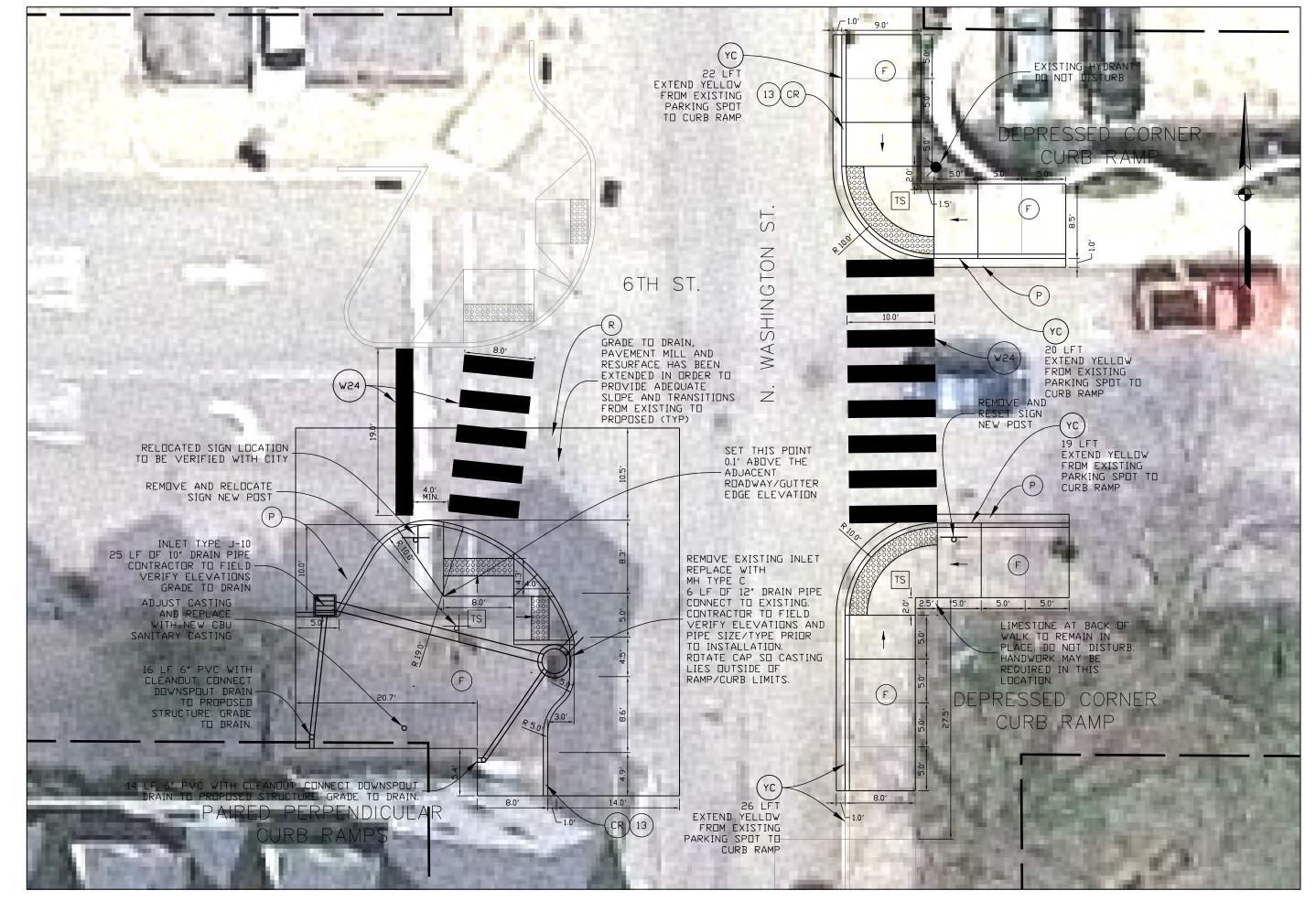
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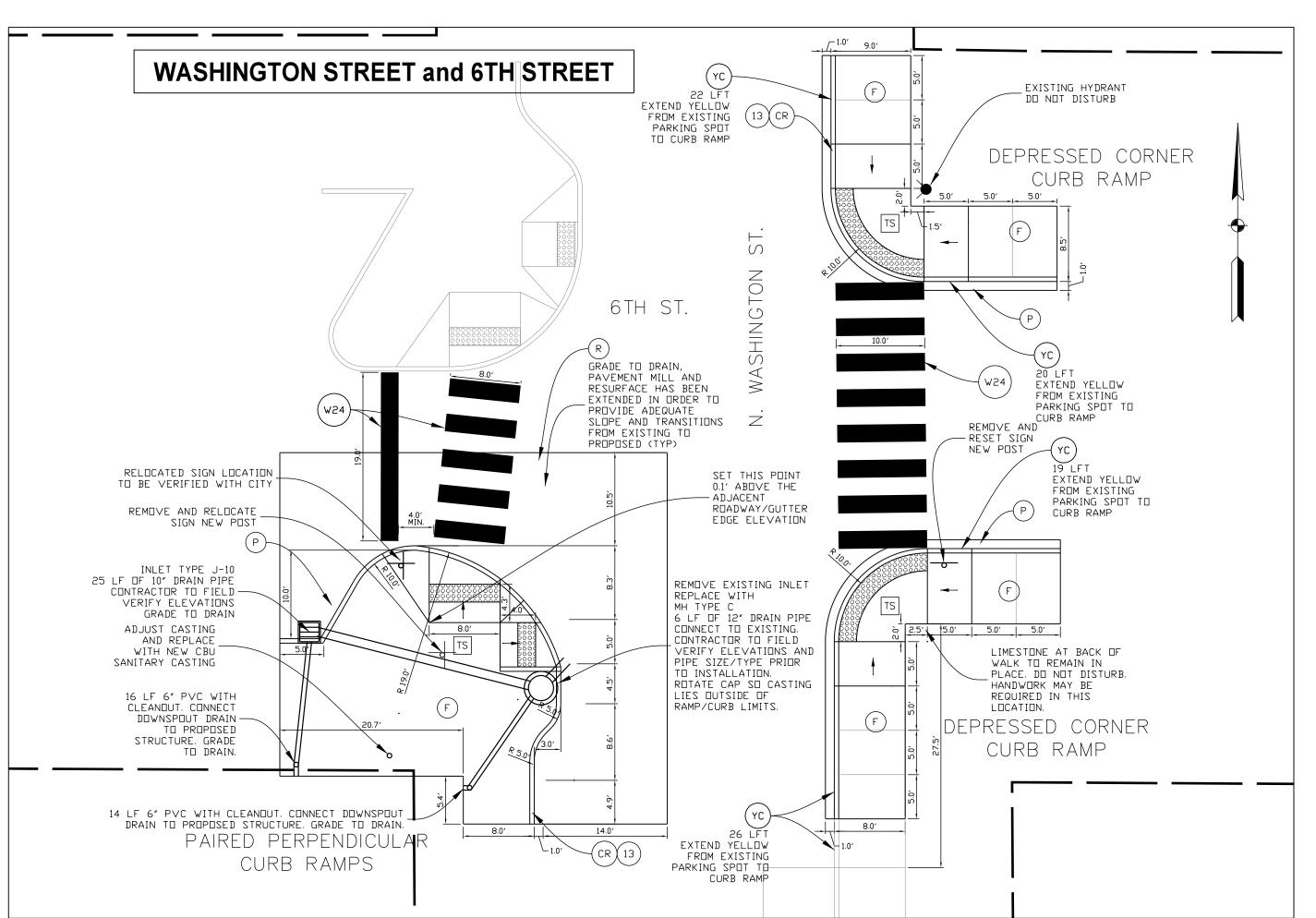
9 of 16

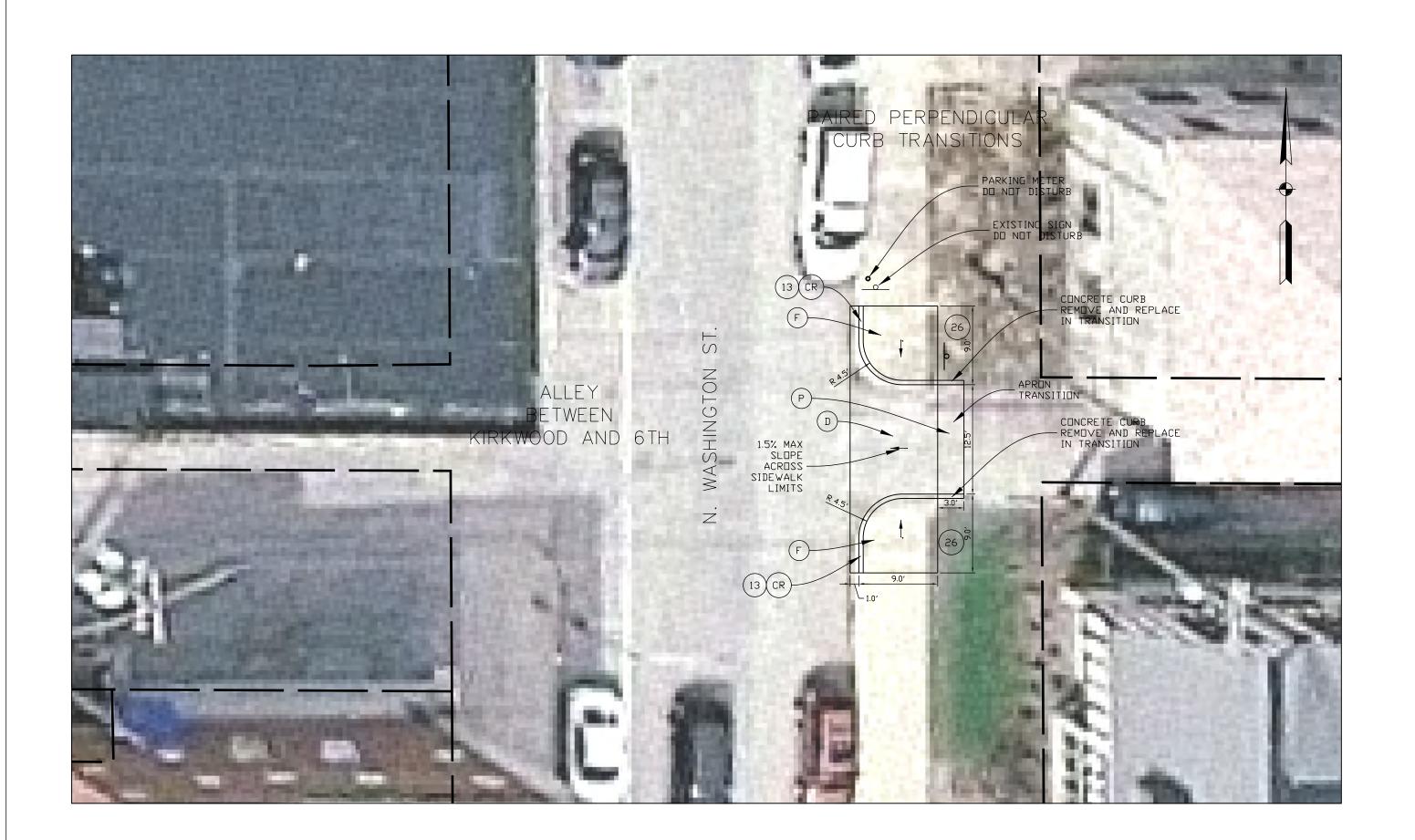
CONTRACT

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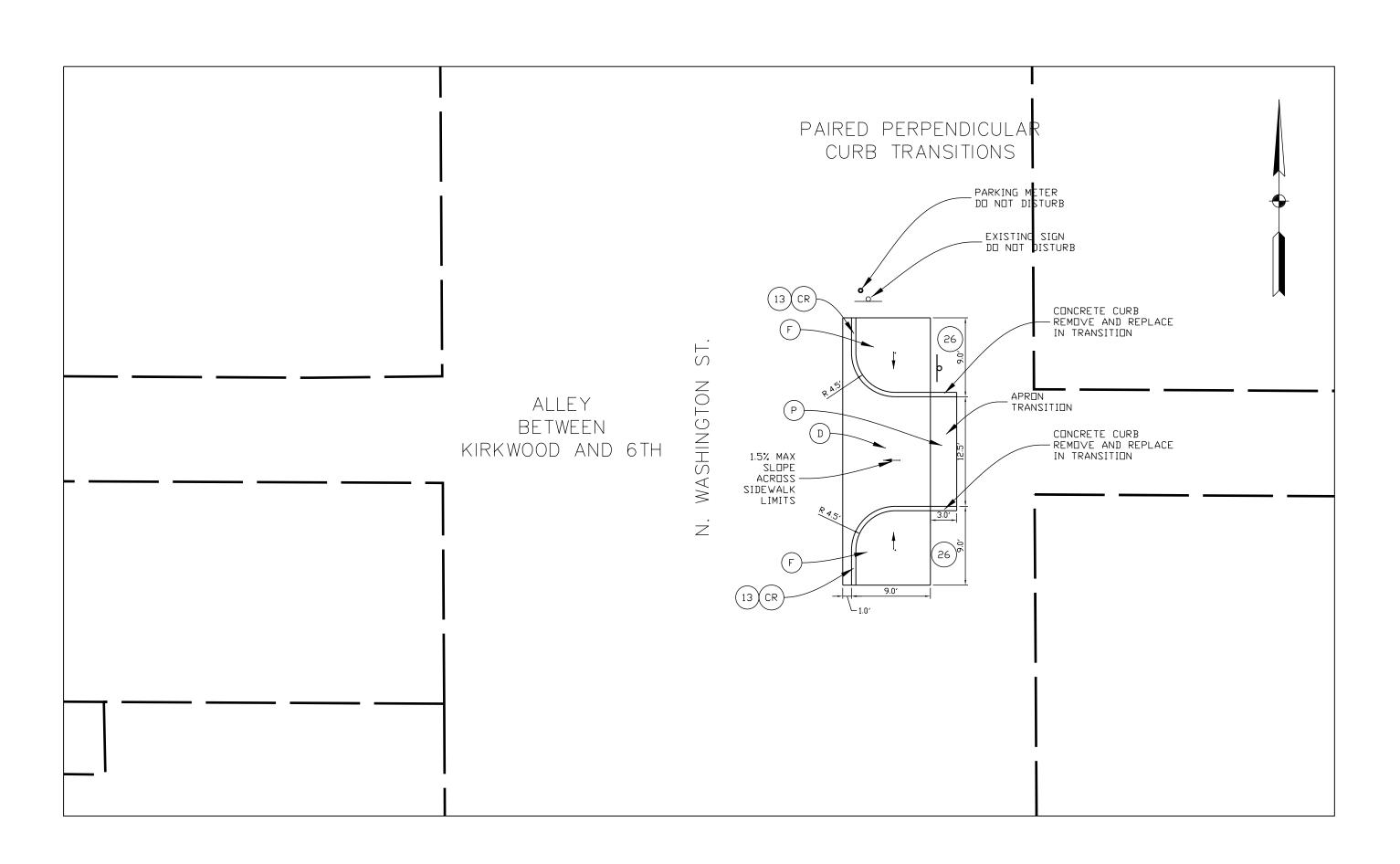
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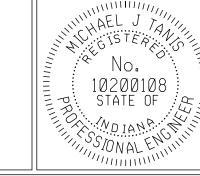






WASHINGTON STREET and ALLEY



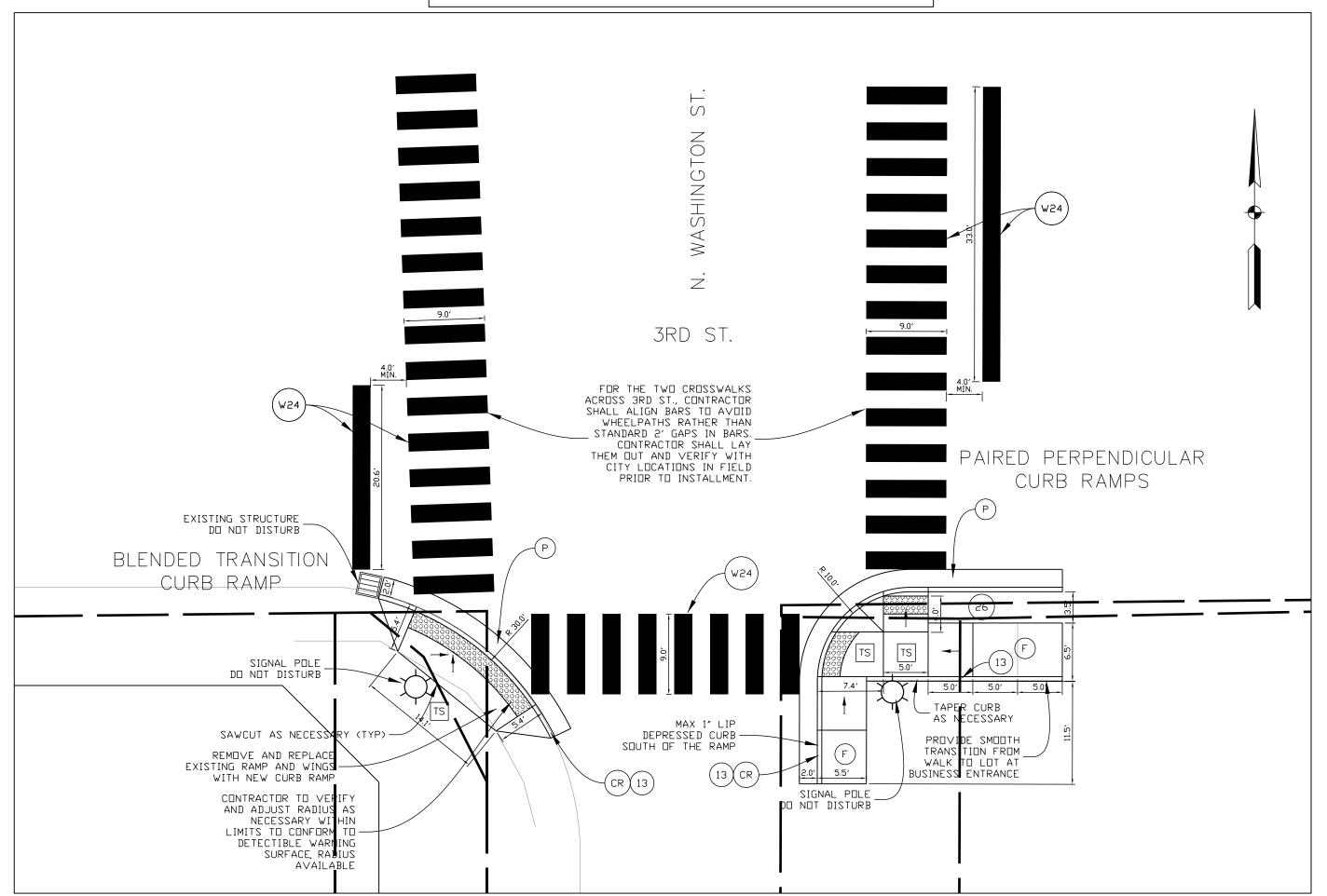


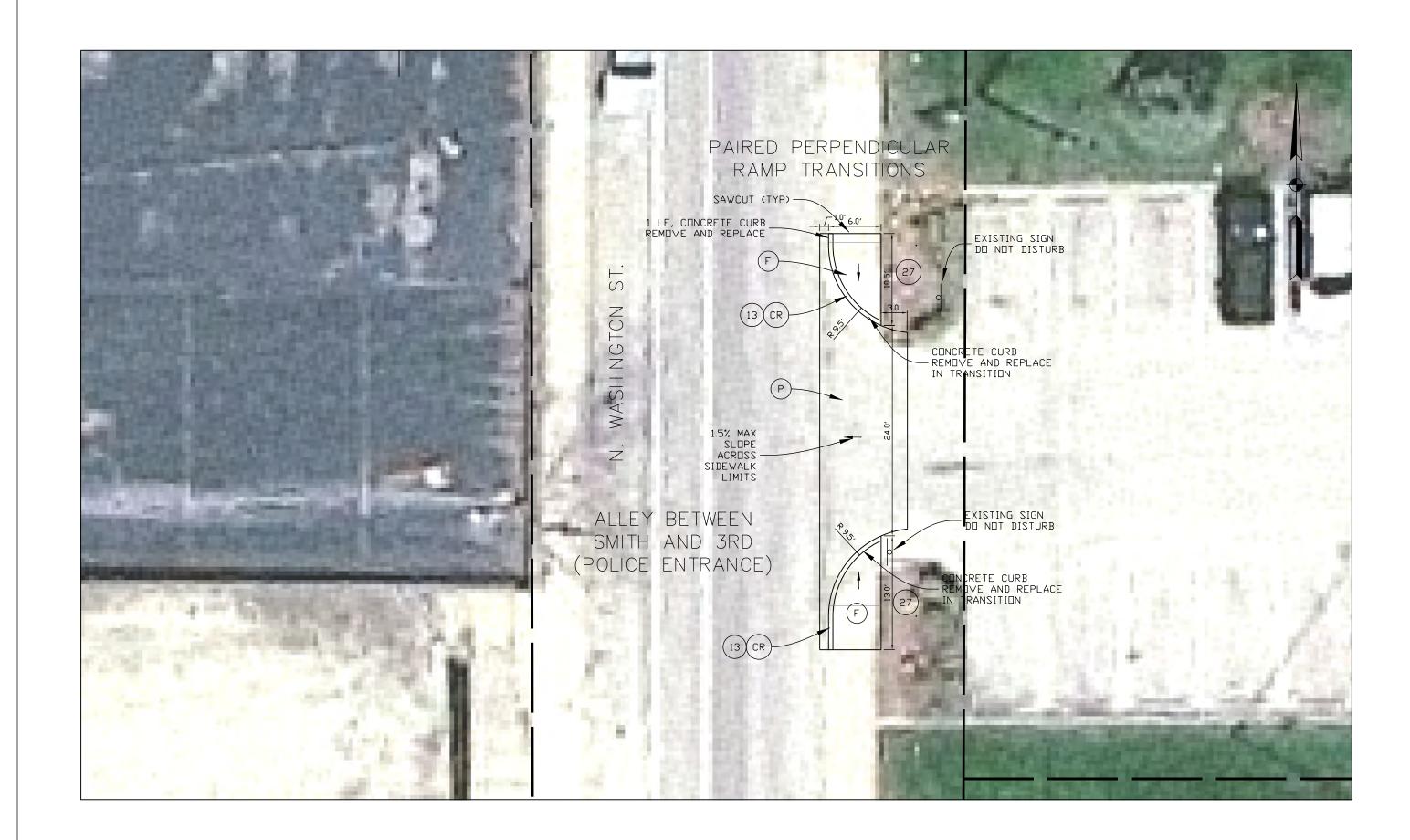
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CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL SCALE	
	/" = /O'-O"	
	VERTICAL SCALE	DESIGNATION
	SURVEY BOOK	SHEETS
INTERSECTION SITE PLAN		10 of 16
INTERSECTION SITE PLAIN	CONTRACT	PROJECT

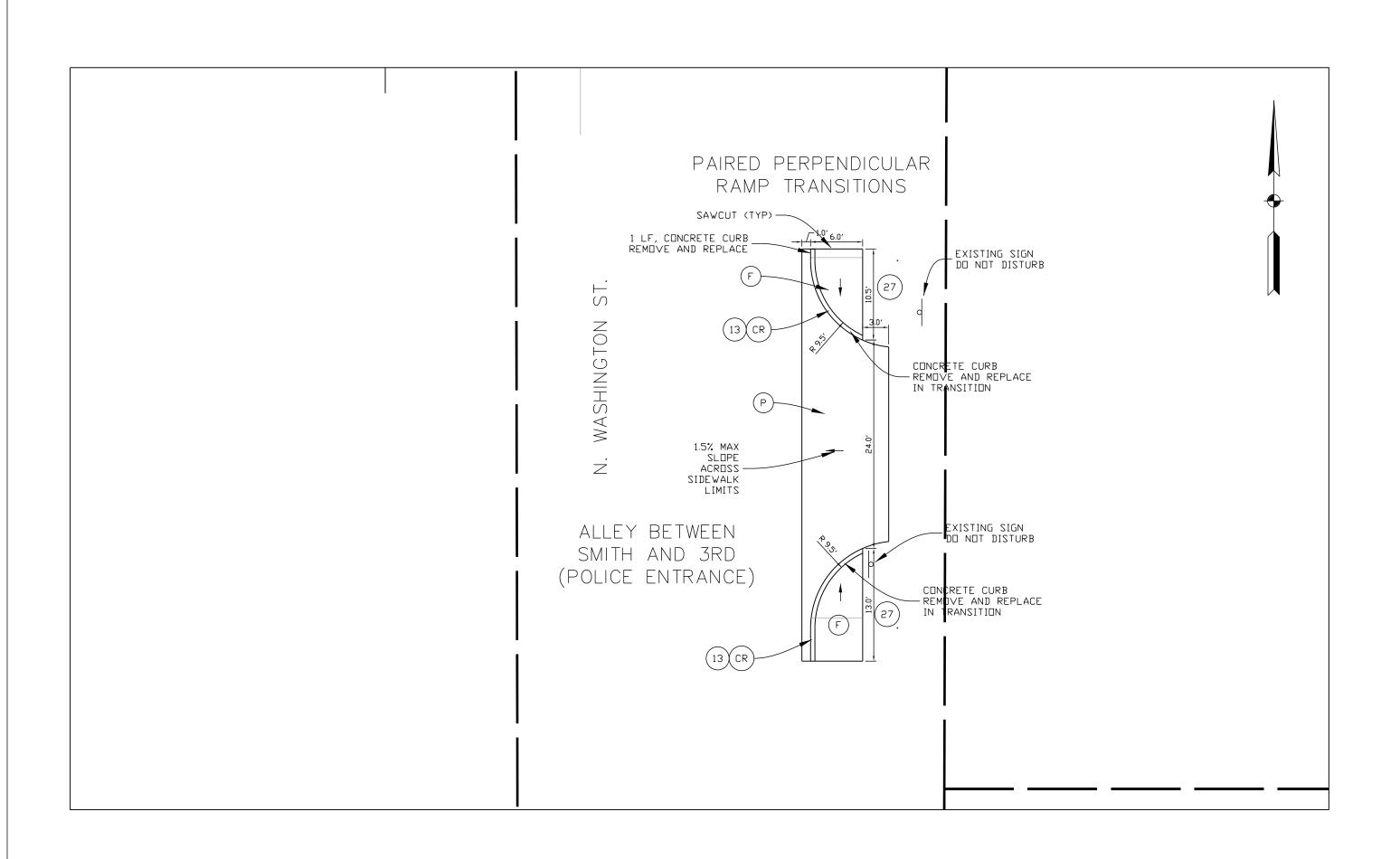


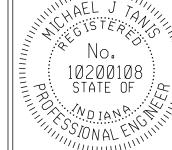






WASHINGTON STREET and ALLEY





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CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL SCALE I" = IO'-O" VERTICAL SCALE	
	SURVEY BOOK	
INTERSECTION SITE PLAN	CONTRACT	

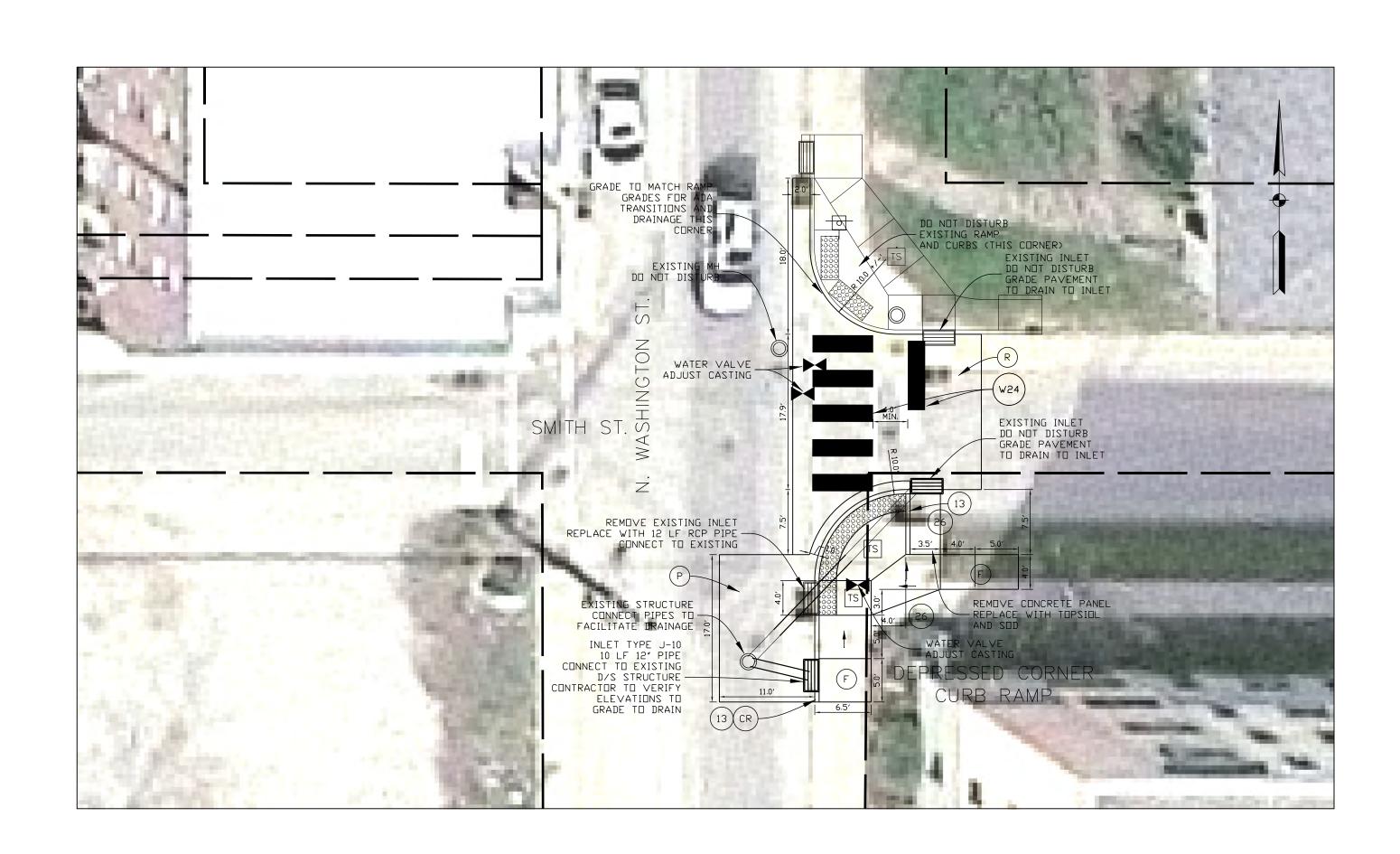
DESIGNATION

SHEETS

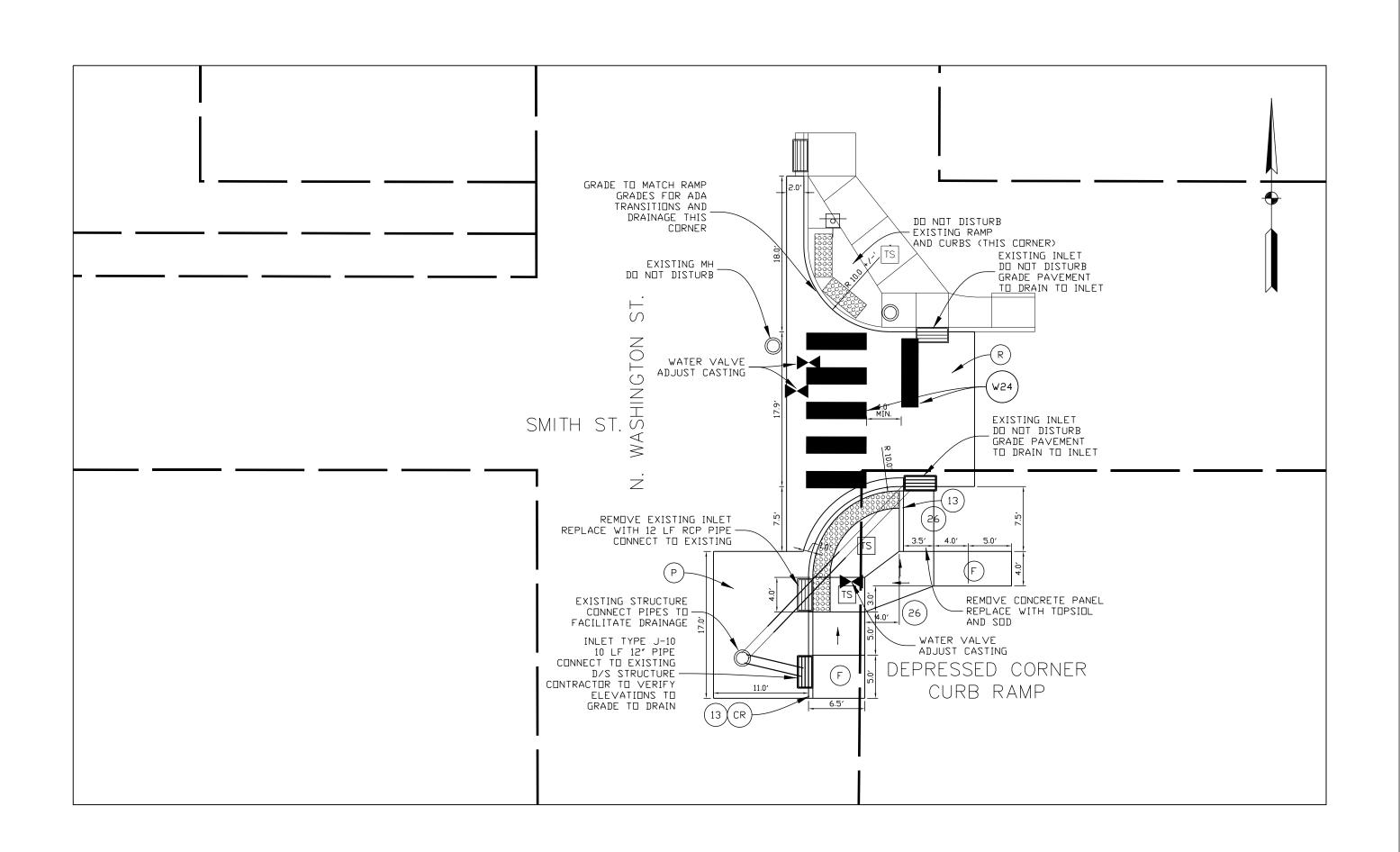
PROJECT

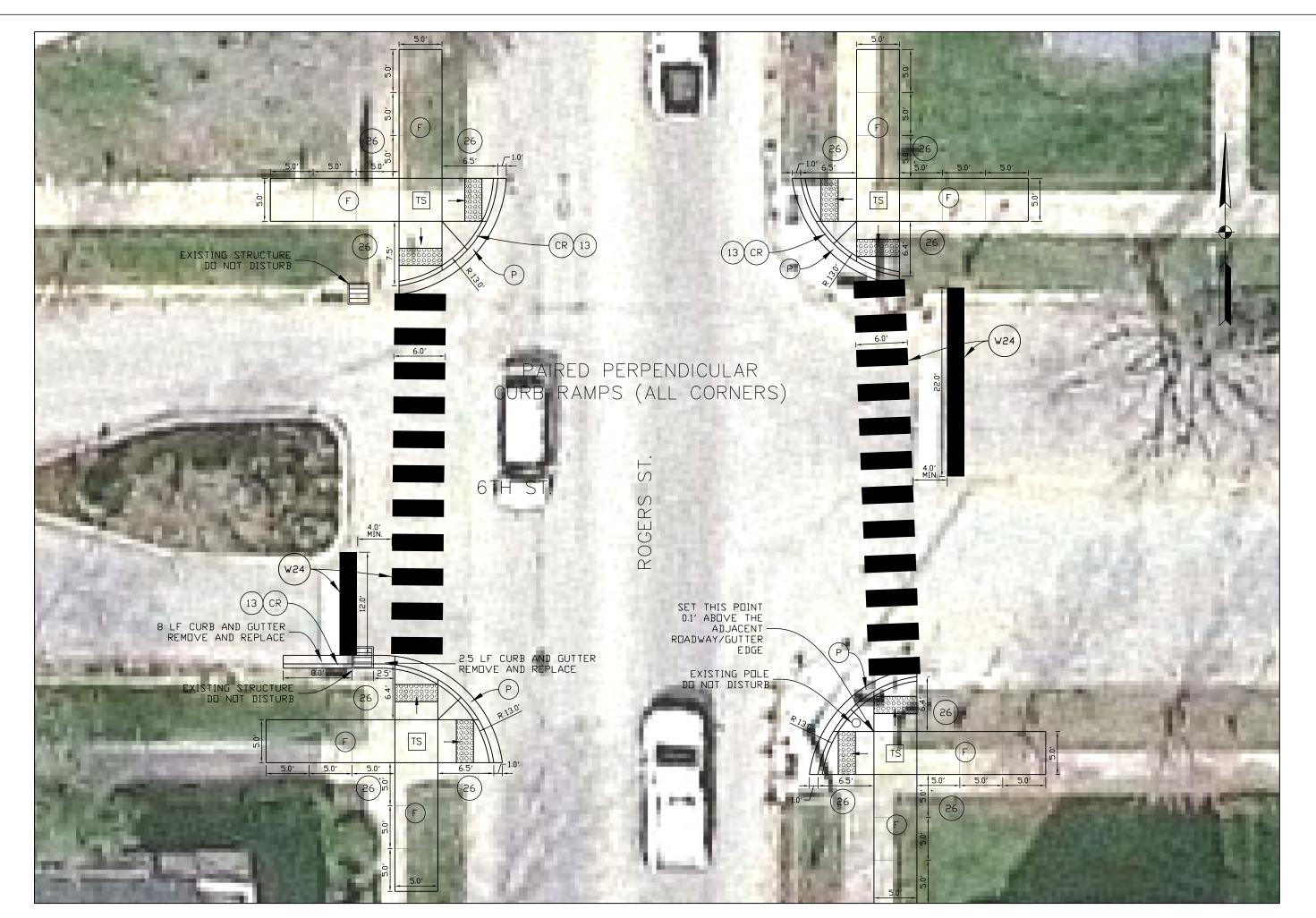
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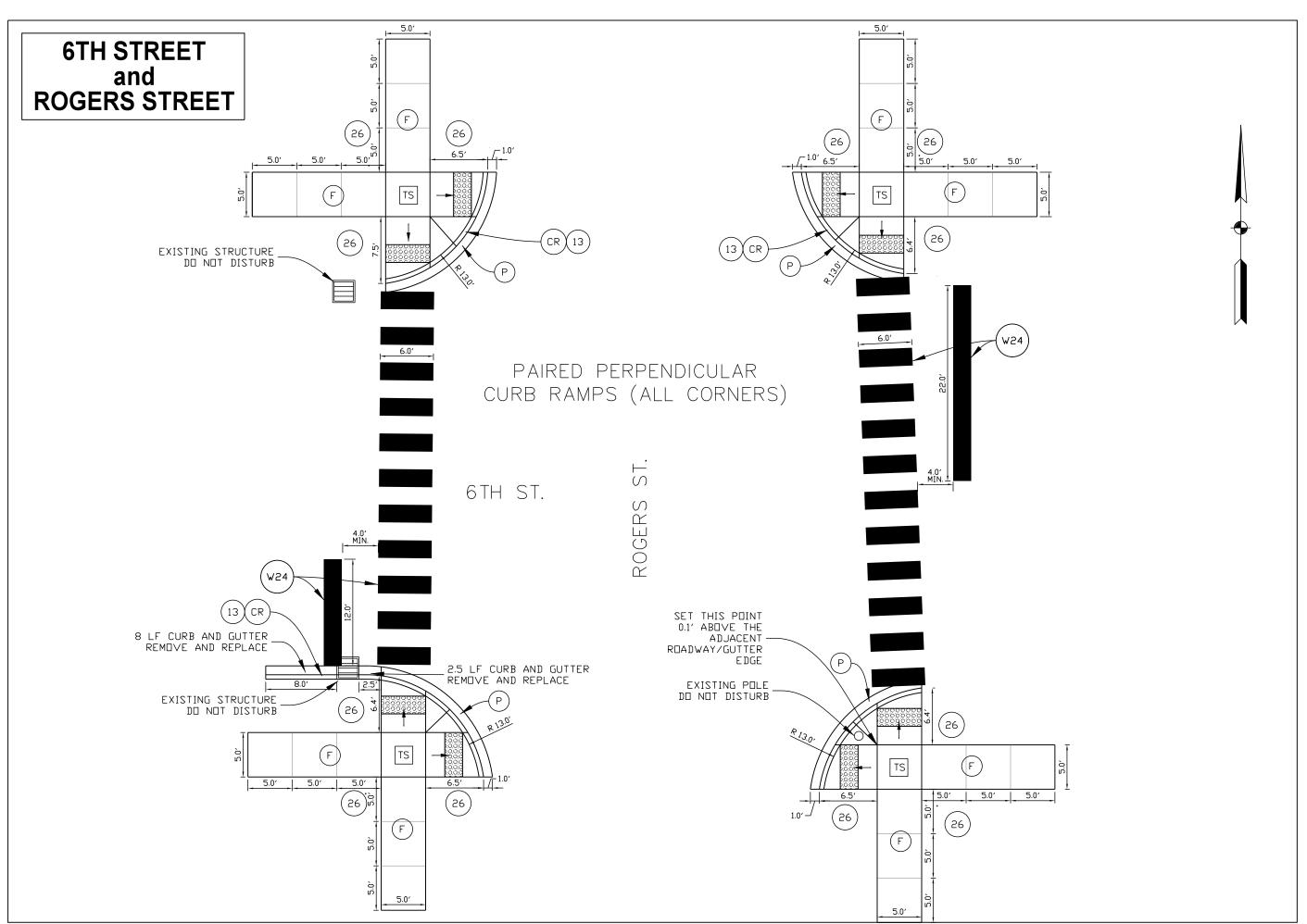
CONTRACT

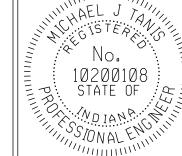


WASHINGTON STREET and SMITH STREET









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CITY OF BLOOMINGTON
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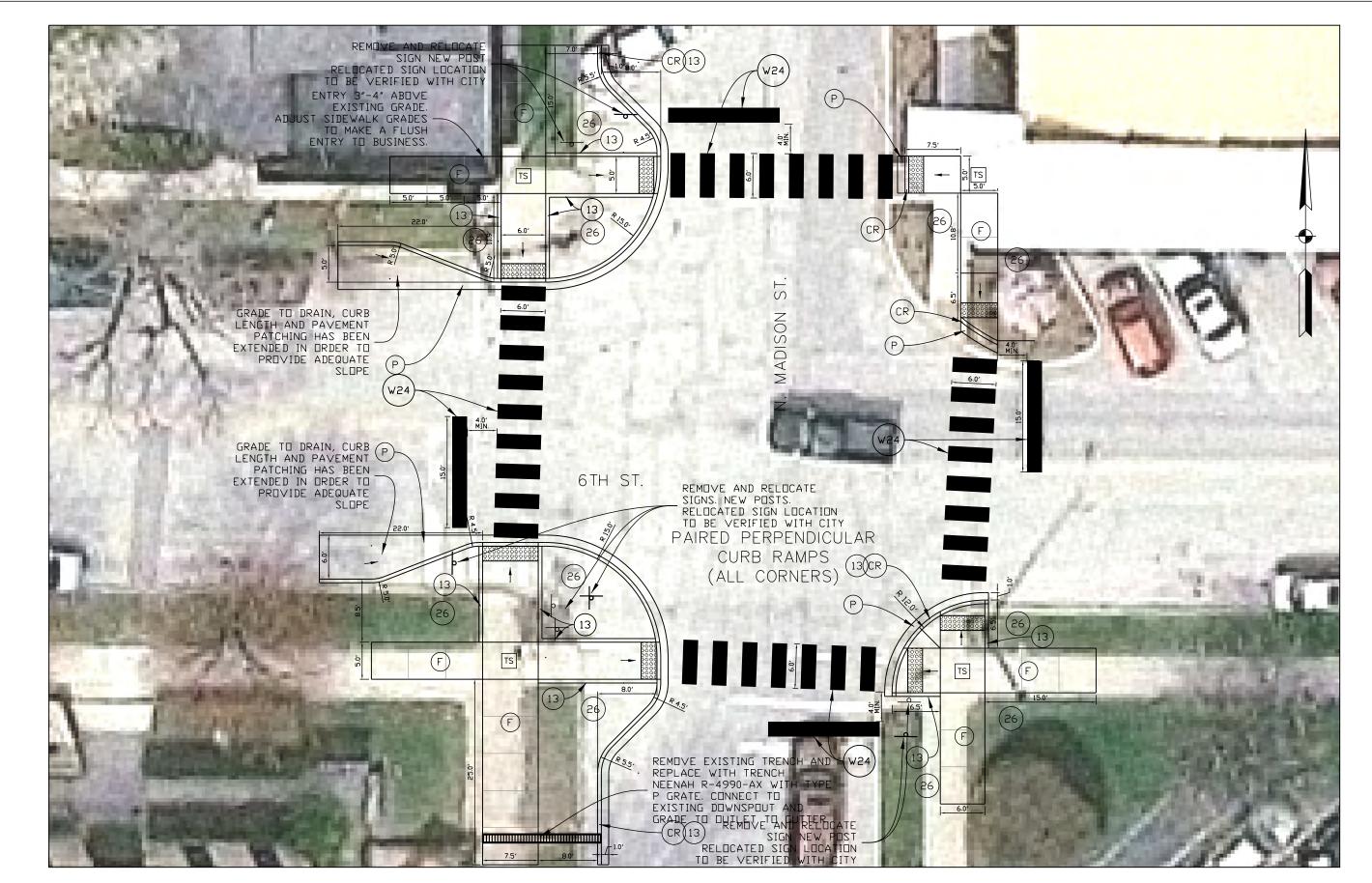
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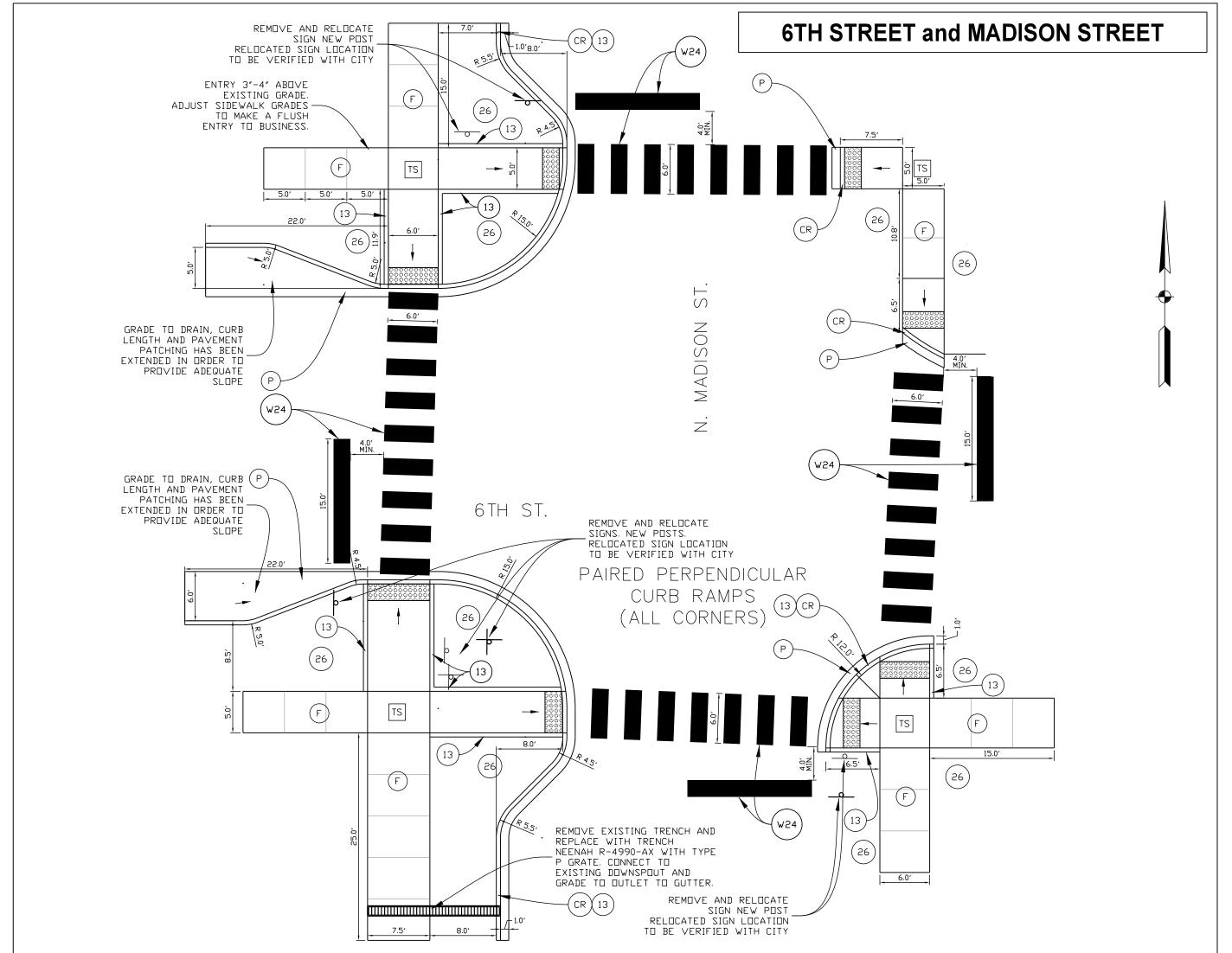
SHEETS

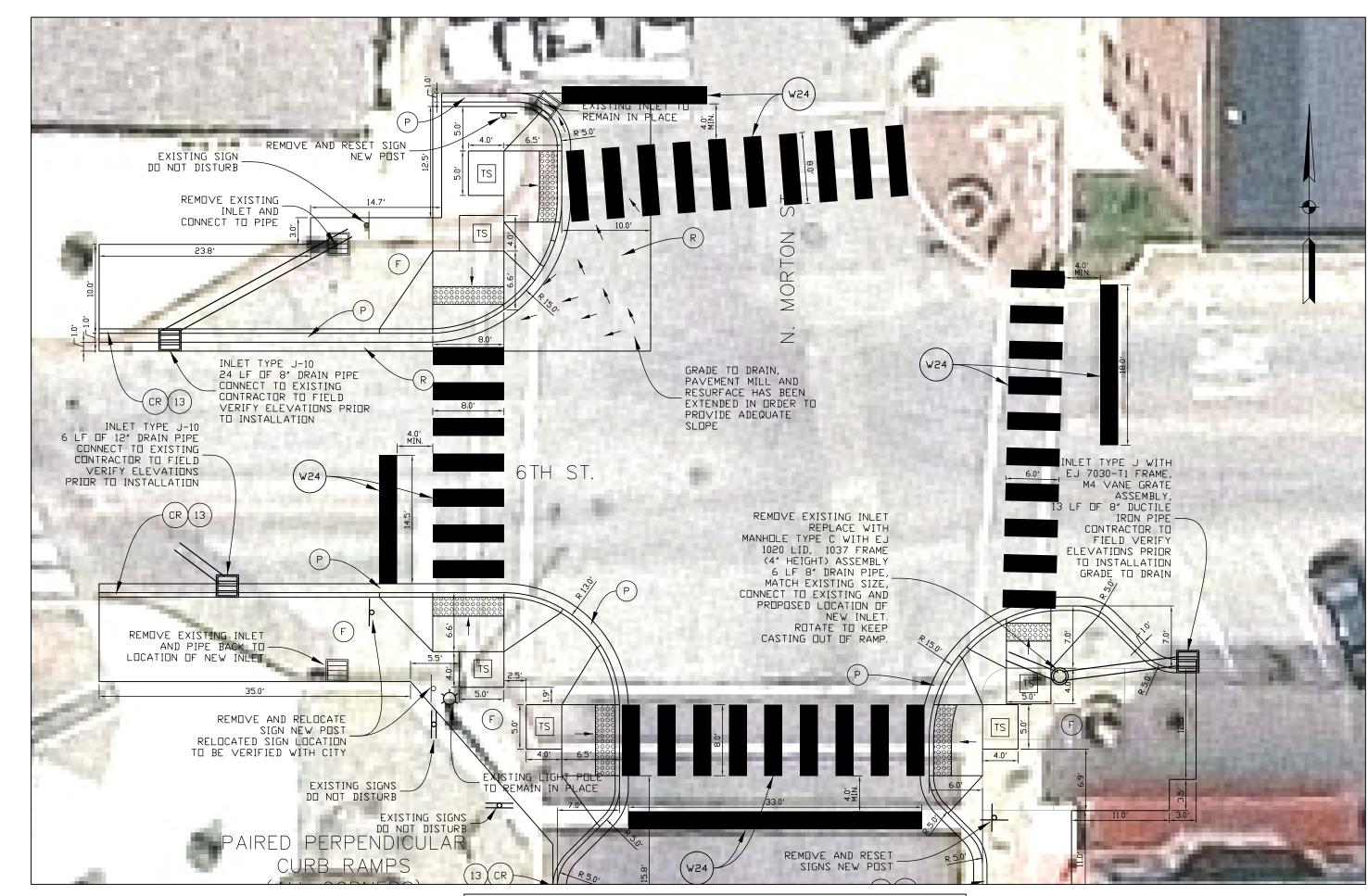
12 of

PROJECT

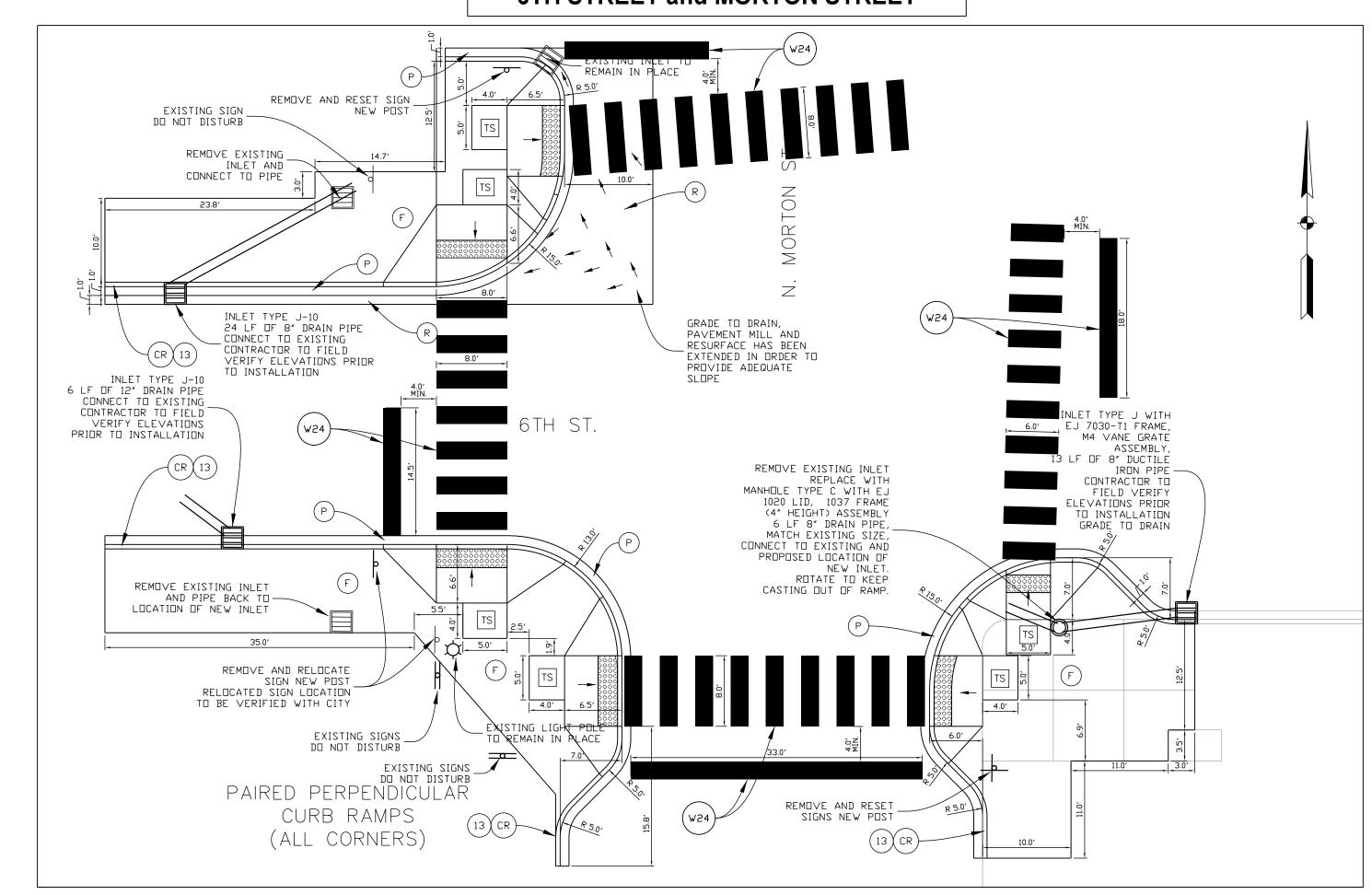
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6TH STREET and MORTON STREET





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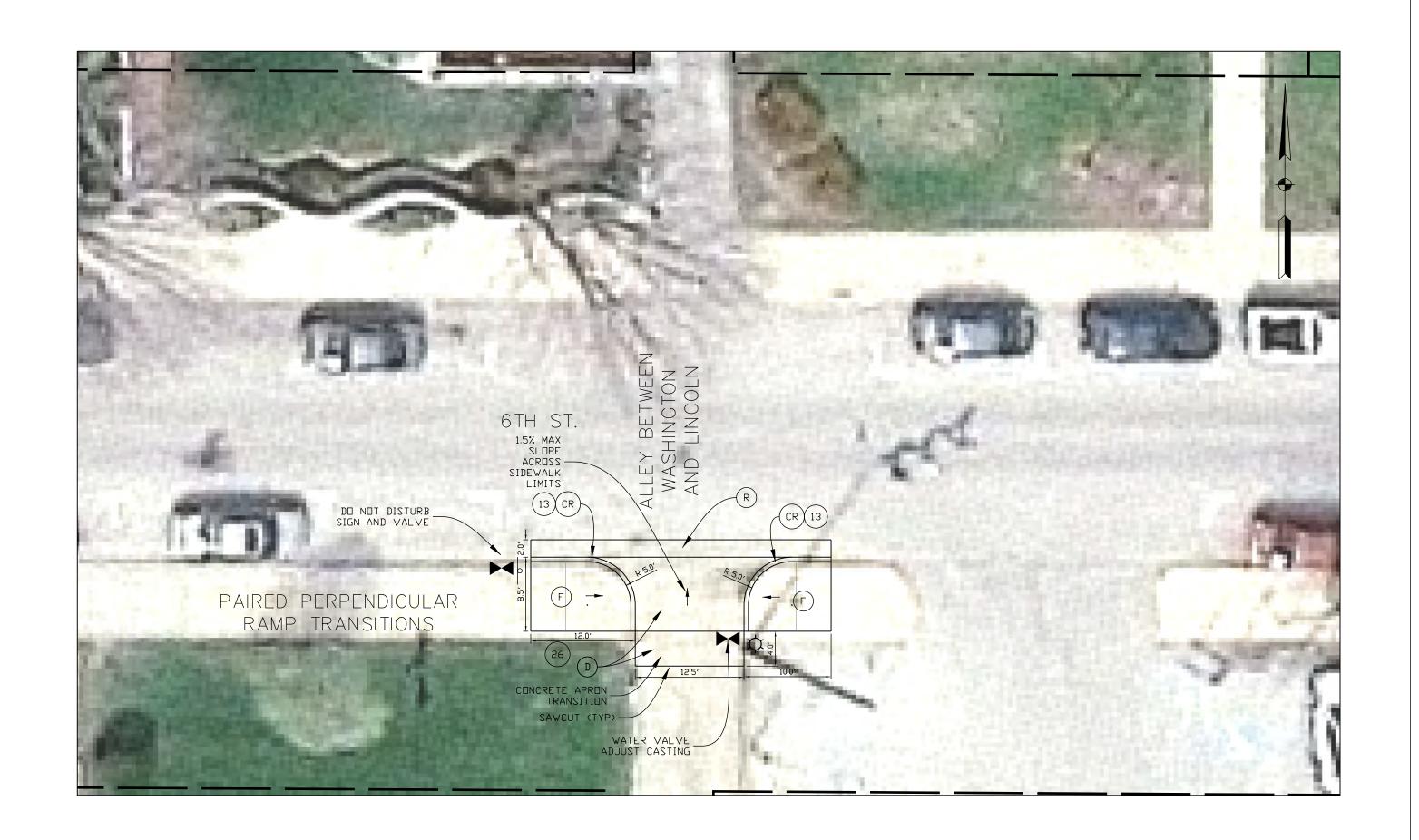
CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

INTERSECTION SITE PLAN

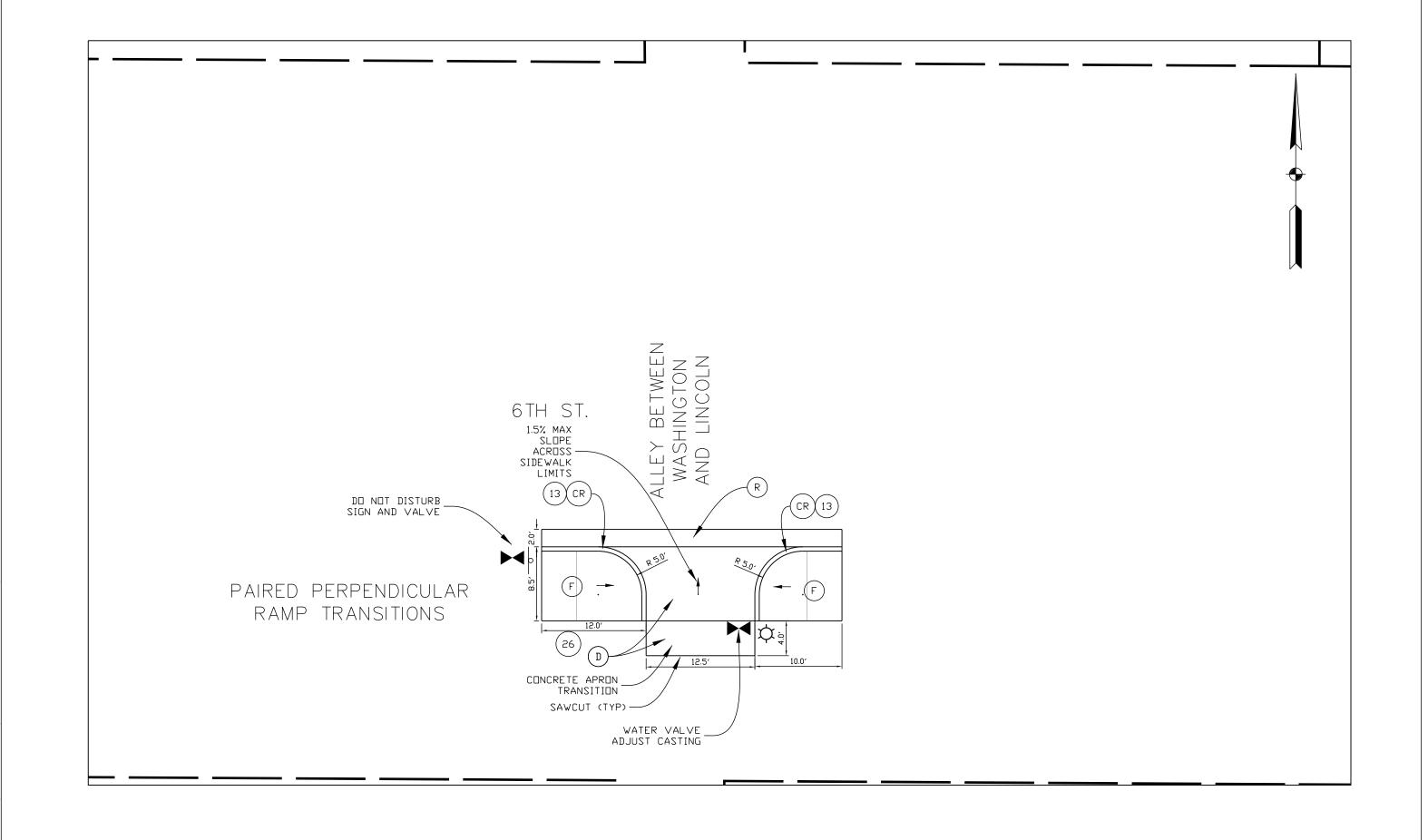
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HORIZONTAL SCALE

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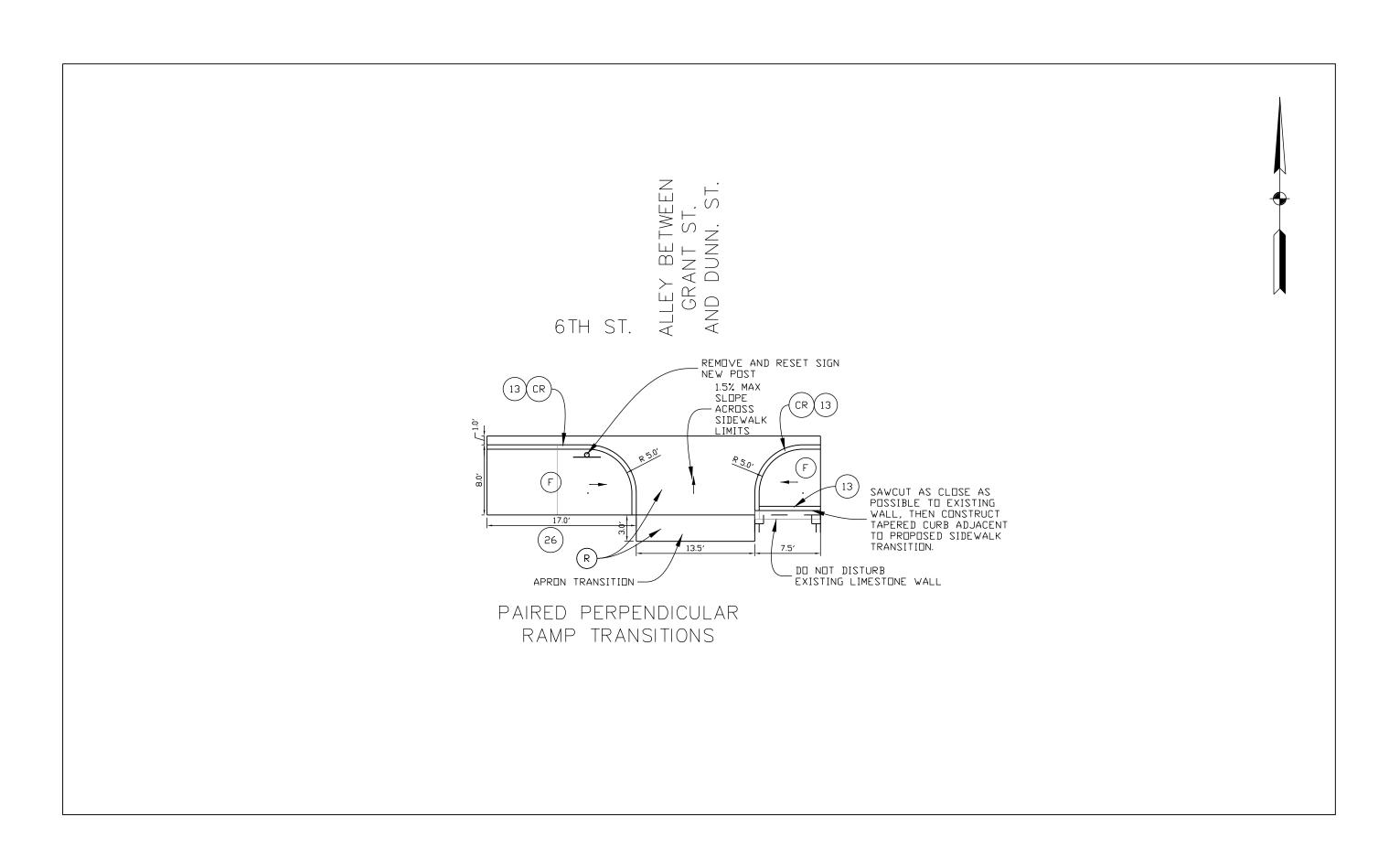


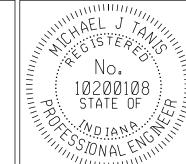
6TH STREET and ALLEY





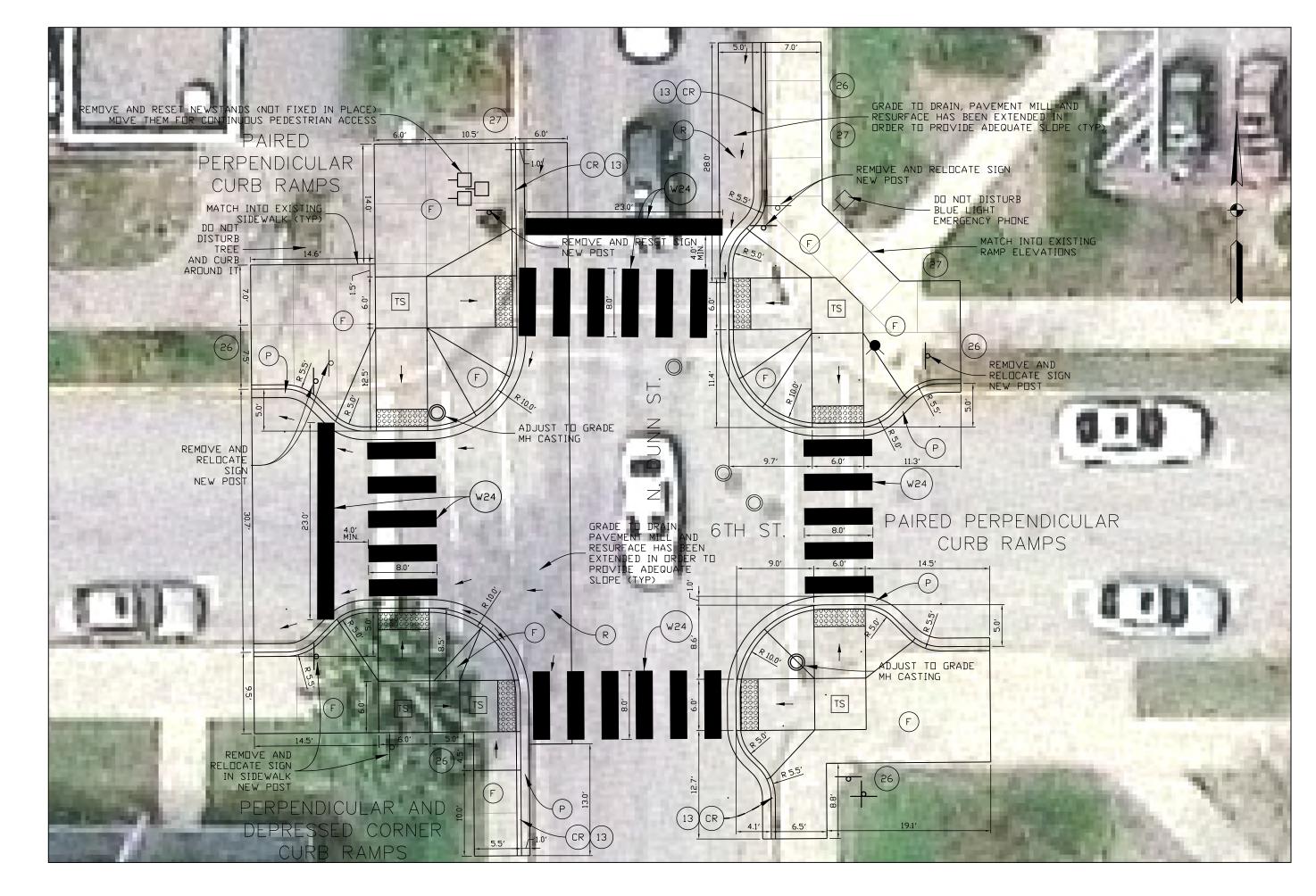
6TH STREET and ALLEY

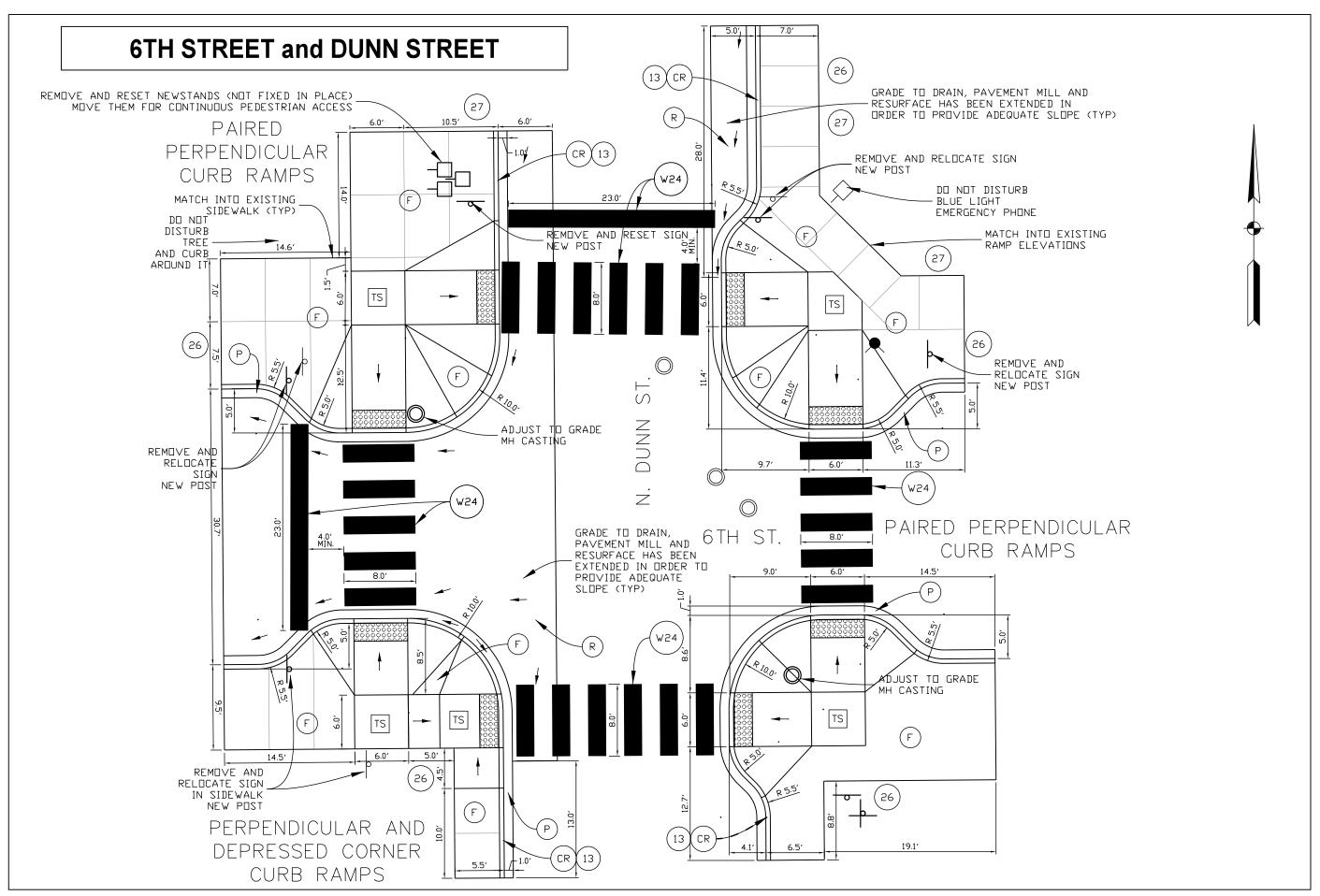


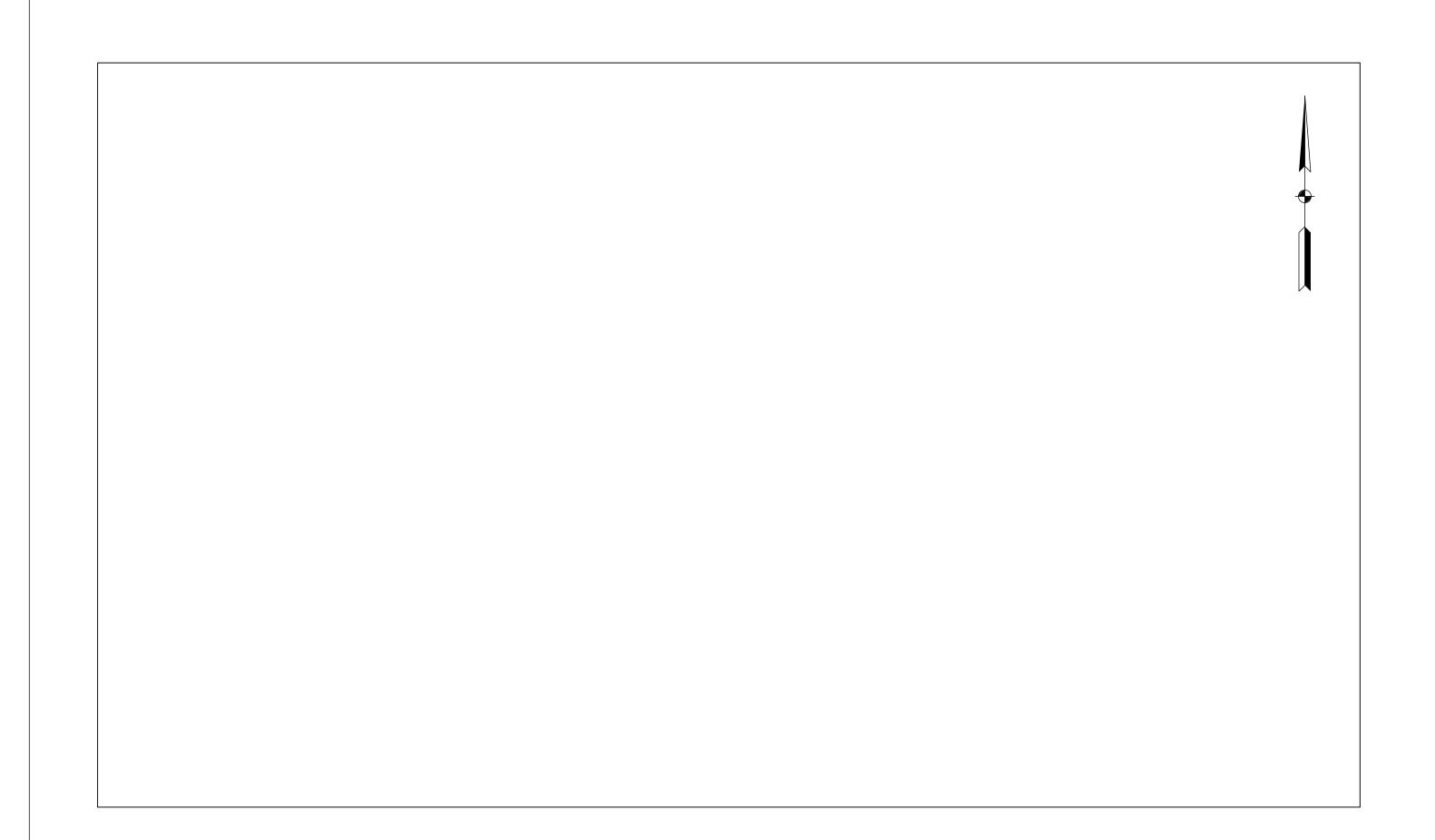


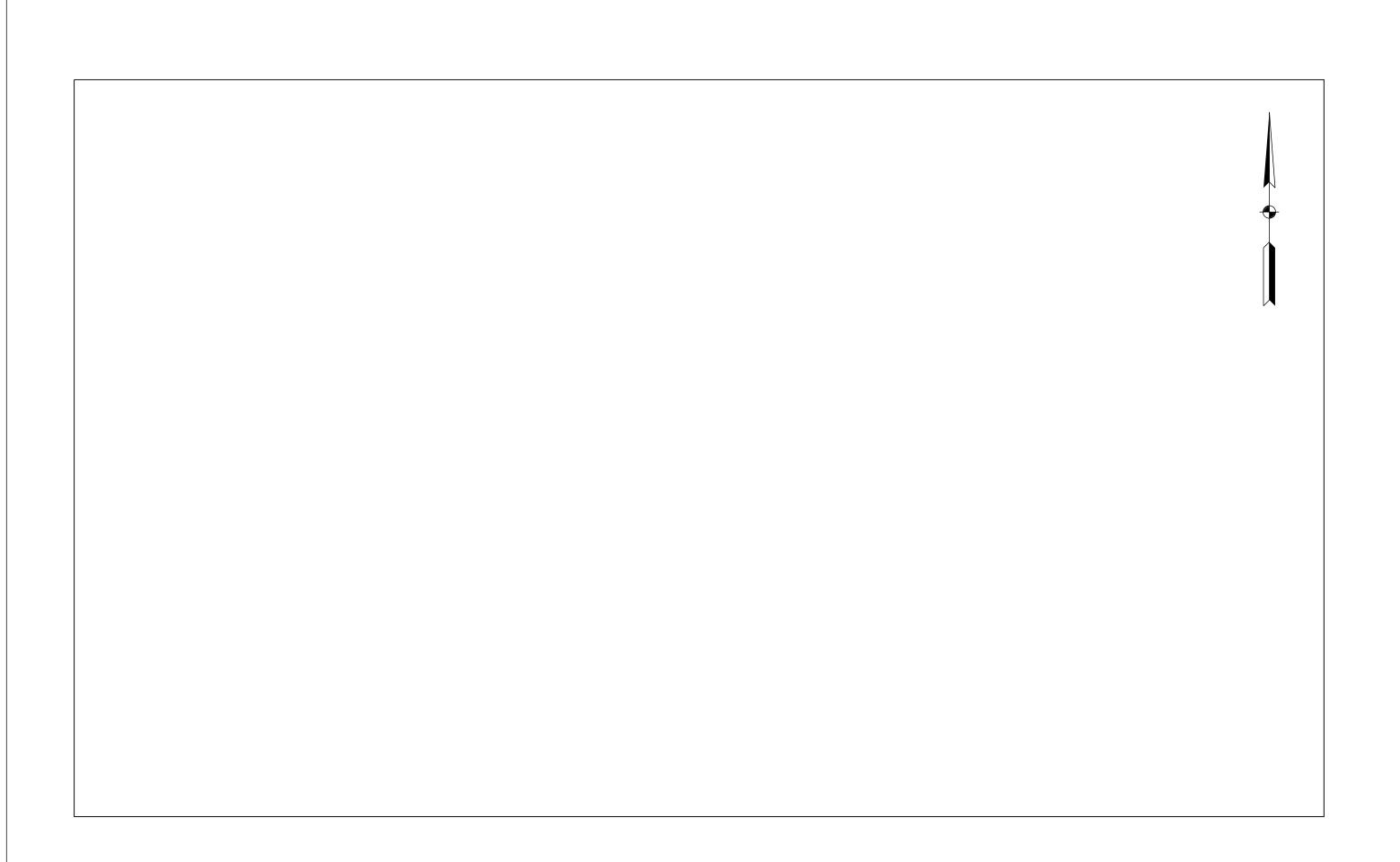
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	CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL SCALE I" = 10'-0" VERTICAL SCALE	DESIGNATION
1		SURVEY BOOK	SHEETS
	INTERSECTION SITE PLAN		14 of 10
	INTERSECTION SITE FLAN	CONTRACT	PROJECT









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CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION	HORIZONT AL SCALE I" = 10'-0" VERTICAL SCALE	DESIGNATION
	SURVEY BOOK	SHEETS
INTERSECTION SITE PLAN		15 of 16
INTERSECTION SITE PLAIN	CONTRACT	PROJECT

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																	MISC	ELLANE	OUS SUM	IMARY	OF QUA	ANTITI	ES TAI	BLE							Į.			9					
LO	CATION							SIDEWAL	KS AND	RAMP	ATE	CURBS							STRUC	TURES									LAWN /	ANDSCAPIN		REMOVALS CAVATION -		Ŧ	24"	ος S	NG,	RKING, , STOP 24"	MO-
N-S STREET	E-W STREE	SO	MILLING, 1.5"	PCCP BASE FOR PATCHING, 12"	APP	TACK COAT	HMA PATCHING, TYPE B	SIDE		DETECTABLE WARNING SURFACES	COMPACTED AGGREG NO 53S BASE	CUR	PVC PIPE, TYPE 2, CIRCULAR, 8 IN	DUCTILE IRON PIPE, CIRCULAR, 8 IN	PVC PIPE, TYPE 2, CIRCULAR, 10 IN	RCP PIPE, TYPE 2, CIRCULAR, 12 IN	STRUCTURE, TRENCH GRATE	INLET J10, WITH CASTING	INLET J WITH EJ 7030- T1 FRAME, M4 VANE GRATE ASSEMBLY	MANHOLE, C4	MANHOLE, TYPE C WITH EJ 1020 LID, 1037 FRAME (4" HEIGHT) ASSEMBLY	STRUCTURE BACKFILL, No. 11 STONE	CONCRETE, CLASS A	ADJUST MANHOLE CASTING TO GRADE	VALVE CASTINGS, ADJUST TO GRADE	DOWNSPOUT DRAIN CONNECTION ASSEMBLY	PVC DRAIN PIPE, TYPE 4, CIRCULAR, 6 IN.	INLET PROTECTION	SODDING, NURSERY	MULCH, HARDWOOD SHREDDED BARK TOPSOIL	REI	AS REQUIRED PAVEMENT, REMOVE (CONCRETE, ASPHALT, SIDEWALK,	RAMPS) CURB, REMOVE	SIGN, RELOCATE, WI POST	LINE, REMOVE, LONGITUDINAL, UP TC	TRANSVERSE MARKIN REMOVE, UP TO 24"	TRANSVERSE MARKIN THERMOPLASTIC, CROSSWALK, WHITE,	TRANSVERSE MA THERMOPLASTIC LINE, WHITE,	CURB PAINTING, YELL
			SYS	SYS	SYS S	SYS	SYS	SYS	SYS	SYS	CYD	LFT	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH	CYD	CYD	EACH	EACH	EACH	LFT	EACH	SYS	CYD CYI	EACI	H SYS	LFT	EA	LFT	LFT	LFT	LFT	LFT
Washington	9th	NW	7.9	7.3		15.2	15.2	18.1 17.4	16.7	2.5	3.9	71.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	15.0	0.0 9.7		44.6		1.0	24.0	32.0	24.0	0.0	0.0
		SW	0.0	5.5 6.5	_	5.5 6.5	5.5 6.5		18.7	2.4	3.1 4.1	53.5 62.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0 0	0	0	8.0 16.1	0.0 0.9		35.8 45.8		1.0	24.0 0.0	0.0	0.0	19.0	0.0
		SE	0.0	4.4		4.4	4.4		11.5	2.3	3.5	60.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	11.0	0.0 1.2	0	37.9		1.0	0.0	0.0	0.0	0.0	0.0
Washington	Alley betwee		34.0	0.0	_	34.0	34.0	11.4	0.0	0.0	1.3	24.0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	1	0	0	0	8.0	0.0 0.9		11.4		0.0	0.0	0.0	0.0	0.0	0.0
	8th & 9th	h NE	0.0	0.0		0.0	0.0	3.4 11.4	0.0	0.0	1.3	8.0 17.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	1.0 5.0	0.0 0.1		3.4	8.0 17.0	1.0	0.0	0.0	0.0	0.0	0.0
Washington	Alley betwee	een NE	4.0			4.0	4.0		0.0	0.0	4.3	17.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	5.0	0.0 0.6	_	28.8	17.0	1.0	0.0	0.0	0.0	0.0	0.0
	7th & 8th		0.0	0.0		0.0	0.0	4.4	0.0	0.0	0.5	20.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	4.0	0.0 0.4	_	4.4	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Washington	Alley betwee		0.0	4.0 0.0	_	0.0	4.0 0.0	4.6 8.4	0.0	0.0	0.9	13.5 18.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0 0	0	0	0.0 2.0	0.0 0.0	-	19.6 8.4	13.5 18.0	0.0	0.0	0.0	0.0	0.0	0.0
Washington	6th	NE NE	0.0	3.2	_	3.2	3.2		13.2	3.3	3.5	46.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	0.0 0.0		38.1	46.0	0.0	56.0	0.0	80.0	0.0	42.0
		sw	68.4	7.6	0.0	76.0	76.0	58.9	20.0	2.9	8.8	60.5	0	0	31	0	0	1	0	1	0	14.4	2.0	0	1	2	30	2	0.0	0.0 0.0	0	89.4	51.0	1.0	40.0	20.0	32.0	17.0	0.0
		SE	0.0	5.6	_	5.6	5.6		12.4	3.3	3.8	51.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	0.0 0.0	_	42.7	51.0	1.0	0.0	0.0	0.0	0.0	45.0
Washington	Alley between		0.0	4.2 0.0	_	0.0	0.0	7.6 7.6	0.0	0.0	0.8	19.0 19.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0 0	0	0	2.0	0.0 0.2 0.0 0.2		28.8 7.6	19.0 19.0	0.0	0.0	0.0	0.0	0.0	0.0
Washington	3rd	sw	0.0	6.0		6.0	6.0	0.0	8.0	3.7	0.9	26.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	0.0 0.0	_	17.7		0.0	161.0	206.0	207.0	21.0	0.0
		SE	0.0	10.5	0.0	10.5	10.5	10.0	14.3	2.5	2.7	44.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	6.0	0.0 0.7	0	37.3	43.0	0.0	90.0	145.0	126.0	33.0	0.0
Washington	Alley betwee		0.0			0.0	0.0		0.0	0.0	6.4	19.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	3.0 0.3	_	41.1	19.0	0.0	0.0	0.0	0.0	0.0	0.0
	Smith & 3rd (Police Entrar		0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.7	16.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	3.0 0.3	0	6.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0
Washington	Smith St.		51.5	2.0	0.0	53.5	53.5	0.0	6.6	2.5	0.7	17.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	2	0	0	1	0.0	0.0 0.0	0	11.1	17.0	0.0	0.0	0.0	35.0	8.0	0.0
		SE	0.0	21.2	0.0 2		21.2		15.6	4.1	2.6	31.0	0	0	0	22	0	1	0	0	0	5.7	1.5	1	1	0	0	3	7.0	0.0 4.8	1	48.3	30.0	0.0	0.0	0.0	0.0	0.0	0.0
6th	Rogers St	St. NW	0.0	3.0		3.0	3.0		8.9	2.3	2.8	18.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	1	11.0	0.0 1.2	-	30.9		0.0	42.0	36.0	66.0	12.0	0.0
		SW	0.0	2.5 3.4		3.4	2.5	16.7 16.7	7.4	2.3	2.7	17.0 31.0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	0	0 0	0	1	11.0 14.0	0.0 1.2 0.0 1.6		28.9		0.0	66.0 0.0	0.0	0.0	0.0	0.0
		SE	0.0	3.4		3.4	3.4	16.7	7.4	2.3	2.7	20.5	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	14.0	0.0 1.6	0	29.8		0.0	0.0	0.0	0.0	0.0	0.0
6th	Madison S	St. NW	2 -3287	15.6		15.6	15.6	20.2		2.5	4.5	124.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	46.0	0.0 13.		58.2		1.0	60.0	16.0	72.0	15.0	0.0
		NE	0.0	1.3	_	1.3	1.3	4.8 29.2	6.1 25.8	3.0	6.1	11.0	0	0	0	0	0 16	0	0	0	0	1.0	0.0	0	0	0 0	0	0	3.0 52.0	0.0 0.3		14.5 75.2		2.0	54.0 66.0	15.0	64.0 56.0	15.0 15.0	0.0
		SE	0.0	2.4		2.4	2.4		10.6	2.7	3.4	33.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	6.0	0.0 10.3	-	35.7	20.0	1.0	60.0	18.0	64.0	15.0	0.0
6th	Morton St.	st. NW	38.7	9.0	_	47.7	47.7		24.1	3.6	8.0	83.0	24	0	0	0	0	1	0	0	0	6.1	1.0	1	0	0	0	3	0.0	0.0 0.0	_	84.4		2.0	96.0	33.0	80.08	16.0	0.0
		sw	0.0	9.5	_	9.5	9.5	59.0		3.6		91.0	0	0	0	6	0	1	0	0	0	3.0	1.0	0	0	0	0	2	0.0	0.0 0.0		96.5	72.0	1.0	88.0	44.0	56.0	15.0	0.0
6th	Alley betwee	SE SW	7.7	0.0	_	7.7	7.7	49.3 9.7	0.0	0.0	7.7	61.0 19.0	6	13	0	0	0	0	0	0	1	0.0	0.5	0	0	0 0	0	0	3.0	0.0 0.0		81.3 27.9		0.0	66.0 0.0	0.0	152.0 0.0	51.0 0.0	0.0
Out	Washingto		0.0	0.0	_	0.0	0.0	8.0		0.0	0.9	17.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0.0	0.0 0.0		8.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0
	and Lincol					- 77																													17				
6th	Alley betwee	-	22.0			22.0	22.0	13.3		0.0	1.5	22.5	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	4.0	0.0 0.4		13.3		1.0	0.0	0.0	0.0	0.0	0.0
	Grant St. ar Dunn St.		0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.5	10.0	0	0	0	U	0	0	0	0	0	0.0	0.0	U	U	0	0	0	0.0	0.0 0.0	0	4.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0
6th	Dunn St.		134.0	7.0	0.0 1	41.0	141.0	47.3	32.4	3.0	8.9	61.0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	0	0	0	0	2.0	3.0 0.6	0	89.7	51.0	2.0	30.0	54.0	40.0	23.0	0.0
		NE	9.6	7.8		17.4	17.4	36.4		2.8	7.0	70.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	1.5	10.0 1.3	0	73.3	55.0	2.0	30.0	40.0	48.0	23.0	0.0
		sw			0.0		6.5		26.5	3.0	5.0	57.0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0	0	0	9.0	0.0 1.0		54.7	53.0	1.0	0.0	0.0	48.0	0.0	0.0
		SE		6.2	0.0	6.2	6.2	27.7	20.0	2.8	6.0	54.0	0	0	U	U	U	U	U	U	U	0.0	0.0	1	0	0	U	0		0.0	0	63,3	42.0	0.0	30.0	36.0	40.0	0.0	0.0
Undistributed								20.0			20.0	20.0																2											
TOTALS			377.8	190.8	98.8 5	68.6	568.6	754.3	421.7	74.1	164.9	1668.5	30	13	31	28	16	4	1	1	1	31.3	7.0	6	6	2	36	16	268.6	19.0 73.0	5	1519.7	7 1351.5	23.0	1083.0	811.0	1380.0	320.0	87.0
UNITS				SYS		SYS	SYS	SYS				LFT	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH	CYD		EACH			LFT	EACH		CYD CYI		H SYS	LFT	EA	LFT	LFT	LFT	LFT	LFT
TOTALS					98.8 5		46.9	754.3			326.5		30.0	13.0	31.0	28.0	16.0	4.0 EACH	1.0	1.0	1.0	31.3	7.0	6.0	6.0	2.0	36.0			19.0 73.0				23.0	1083.0	811.0	1380.0	320.0	87.0
PAYUNIT			SYS	SYS	SYS	SYS	TON	SYS	SYS	SYS	TON	LFT	LFT	LFT	LFT	LFT	LFT	EACH	EACH	EACH	EACH	CYD	CYD	EACH	EACH	EACH	LFT	EACH	SYS	CYD CYI	E'			EA	LFT	LFT	LFT	LFT	LFT

NOTE:

ALL REMOVAL ITEMS TO BE PAID AS CLEARING INCLUDING STRUCTURE REMOVAL, PIPE REMOVAL.

RECOMMENDED FOR APPROVAL

NO.

10200108
STATE OF

DESIGNED:

CHECKED:

BR

RECOMMENDED FOR APPROVAL_	Michael	Lauis DESIGN ENGINEER		2-15-2019 DATE
DESIGNED:	MT	DRAWN:	SCS	

CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

HORIZONT AL SCALE

N/A

VERTICAL SCALE

DESIGNATION

N/A

SURVEY BOOK

SHEETS

15 of 16

CONTRACT

PROJECT

	DAIE	JESIGN ENGINEER	L
MISCELLANEOUS SUMMAR	SCS	DRAWN:	MT
OF QUANTITIES TABLE	BR	CHECKED:	BR