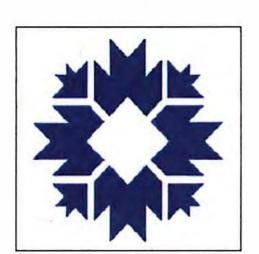
PROJECT	DESIGNATION
1900403	1900403
CONTRACT	
R-41896	



CITY OF BLOOMINGTON

BOARD OF PUBLIC WORKS

BETH H. HOLLINGSWORTH, VICE-PRESIDEN

LIZABETH KARON, SECRETARY

DEPARTMENT OF ENGINEERING

5/12/2022

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

PATRICK DIERKES, P.E., PROJECT ENGINEER, E.R.C.

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

DOWNTOWN CURB RAMPS

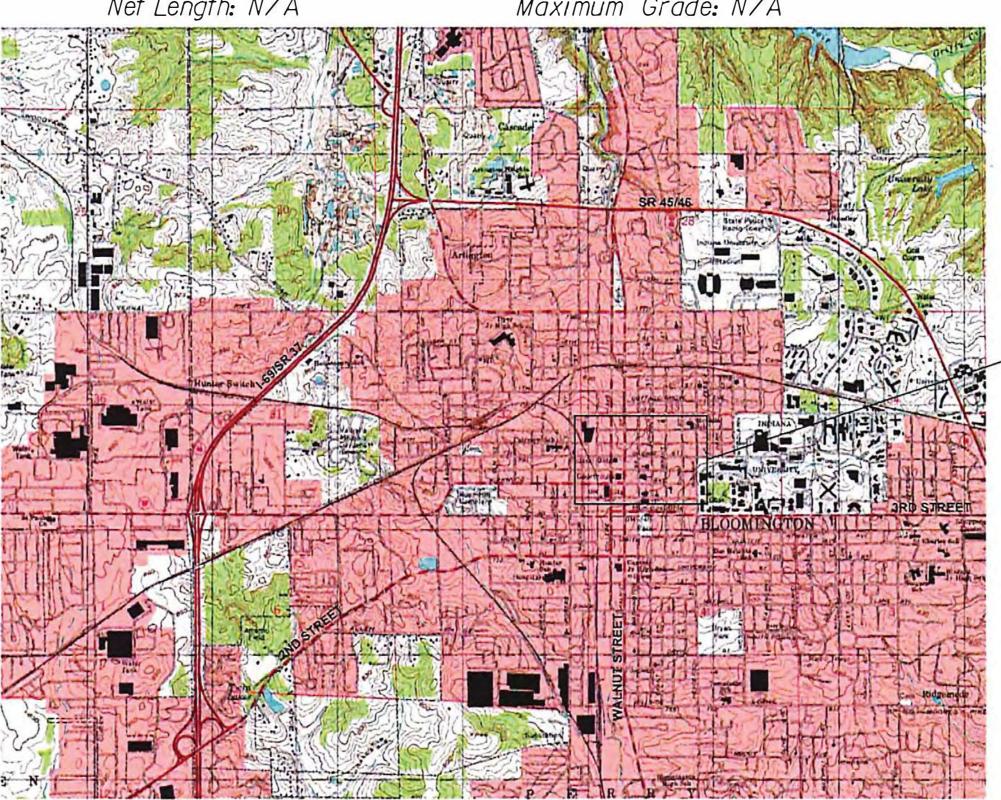
DOWNTOWN CURB RAMPS IN SECTIONS 32 & 33 OF T-9-N, R-I-W, IN BLOOMINGTON, INDIANA, MONROE COUNTY, BLOOMINGTON TOWNSHIP

LATITUDE: BEGIN 39°09'53" N; MIDDLE 39°10'07" N; END 39°10'18" N LONGITUDE: BEGIN 86°32'19" W; MIDDLE 86°31'56" W; END 86°31'37" W

PROJECT NO. 1900403 P.E./C.N.

Gross Length: N/A Net Length: N/A

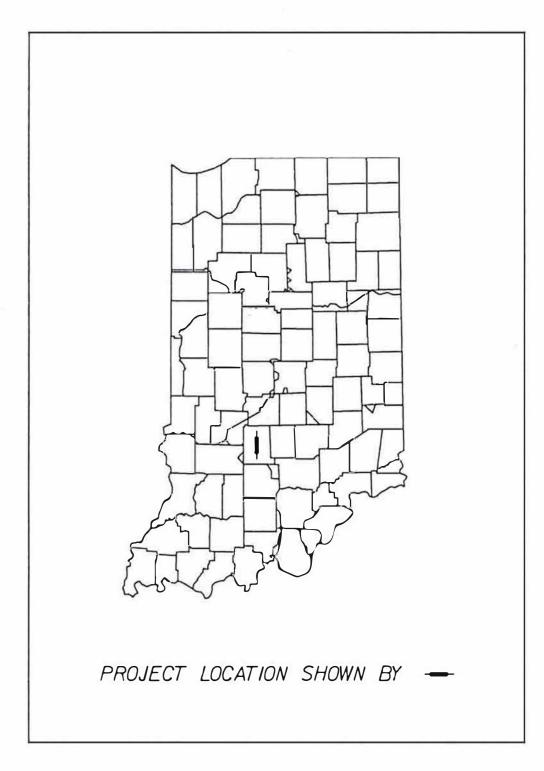
Maximum Grade: N/A



PROJECT AREA

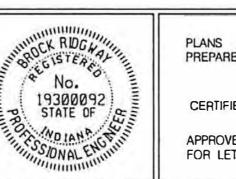
PROJECT LOCATION MAP CITY OF BLOOMINGTON, MONROE COUNTY

N/	N/A	AAD.T.
N/	N/A	AAD.T.
N/		DH.V
N/	BUTION	DIRECTIONAL DISTRIE
N/.		TRUCKS
	DATA	DESIGN
	DATA	DESIGN
N/A M.P.F.	DATA	DESIGN SPEED
N/A M.P.F.		
	RITERIA	DESIGN SPEED
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INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2022 TO BE USED WITH THESE PLANS





PLANS EAGLE RIDGE CIVIL ENGINEERING SERVICES, LLC	
PREPARED BY:	(317) 370-9672
	PHONE NUMBER
CERTIFIED BY: 15 Mingy	6-1-2022
	DATE
APPROVED Seremy & Huntle	8/29/2022
	DATE

DESIGNATION 1900403 SURVEY BOOK SHEETS of 22 CONTRACT **PROJECT** R-41896 1900403

PREPARED BY:

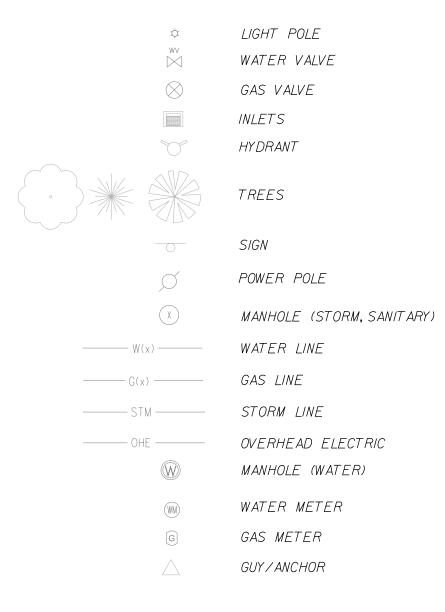
UTILITIES CABLE TELEVISION TELEPHONE/COMMUNICATIONS (CONT.) COMCAST DUKE (DISTRIBUTION) AT & T ATTN: STEVE McARTOR PRIMARY: ANDY MULLIS ATTN: CHRISTINA GIROD 16475 SOUTH PARK DRIVE (812) 334-4521 2450 SOUTH HENDERSON ST. BLOOMINGTON, IN 47401 WESTFIELD, IN 46074 4517 INDIANA BELL COURT BLOOMINGTON, IN 47408 (812) 360-3090 (812) 273-9596 am5495@att.com christina.girod@@duke-energy.com SMITHVILLE TELEPHONE CO. CENTERPOINT ENERGY STORM/SANITARY/WATER ATTN: ARIEL THOMAS ATTN:JOE BRYNIARSKI CITY OF BLOOMINGTON UTILITIES 1600 W.TEMPERANCE ST. 205 SOUTH MADISON ATTN .: JANE FLEIG ELLETTSVILLE, IN 47429-0729 BLOOMINGTON, IN 47404 600 E. MILLER DRIVE (812) 330-4018 (812) 935-2262 BLOOMINGTON, IN 47401 joe.bryniarski@smithville.com ariel.thomas@centerpoint.com (812) 349-3631 pedenp@bloomington.in.gov FOR SERVICE RELOCATIONS CITY OF BLOOMINGTON CITY OF BLOOMINGTON STREET DEPARTMENT (48 HOUR NOTICE NEEDED) TELEPHONE/COMMUNICATIONS ATTN:JOE VANDEVENTER ATTN: US SIGNAL 1981 S. HENDERSON STREET ATTN: KELSEY KRUSSELL BLOOMINGTON, IN 47401 20110NIA AVENUE SW BLOOMINGTON DIGITAL UNDERGROUND (812) 349-3448 GRAND RAPIDS, MI 49503 ATTN .: MICHAEL CRUMP vandeve j@bloomington.in.gov (616) 988-5311 ITS DEPT., CITY HALL kkrussell@tkns.net 401 N. MORTON ST. ATTH: WAYLON HIGGINS SUITE 150 9209 CASTLE GATE DRIVE BLOOMINGTON, IN 47404 (FORMERLY LEVEL 3 AND GTE INDIANAPOLIS. IN 46256 (812) 349-3485 AND CENTURYLINK) (765) 341-1199 michael.crump@bloomington.in.gov ATTN: BOBBY WALTERS waylon.higgins@zayo.com 4625 WEST 86TH STREET INDIANAPOLIS, IN 46268 (440) 444-3529 relocating@centurylink.com

	GENERAL NOTES
	ALL EARTH SHOULDERS,MEDIAN AREAS,AND CUT OR FILL SLOPES SHALL BE PLAIN OR MULCH SEEDED EXCEPT WHERE SODDING IS SPECIFIED.
	THE FINAL CROSS SECTIONS OF THE GRADING CONTRACT WILL BE THE ORIGINAL CROSS SECTIONS OF THE PAVING CONTRACT. HOWEVER, PARTIAL OR COMPLETE CROSS SECTIONS SHALL BE TAKEN IF NECESSARY TO DETERMINE THE ACTUAL EXCAVATION QUANTITIES.
	THE PAPER RELOCATION WILL BE CROSS-SECTIONED BY THE ENGINEER BEFORE CONSTRUCTION.
	ALUMINUM BASE BRACING (1/4" X 1" X LENGTH REQUIRED) WILL BE REQUIRED ON ALL SQUARE POST MOUNTED SIGNS EXCEEDING 60" IN LENGTH.
*	POST LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE POST LENGTHS REQUIRED TO ASSURE THAT THE SIGNS ARE INSTALLED WITH THE MOUNTING HEIGHT BEING IN ACCORDANCE WITH THE MISCELLANEOUS TRAFFIC STANDARD DETAILS SHEETS.
	UNLESS OTHERWISE NOTED IN THESE PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL REQUIRED FOR THE COMPLETE INSTALLATION OF THE SIGNS AND SIGN SUPPORTS. SHEET SIGNS AND POSTS ARE NOT TO BE ORDERED UNTIL THE EXACT NUMBER OF SIGNS AND LENGTH OF EACH POST HAS BEEN DETERMINED UPON FIELD INVESTIGATION.
	ALL SIGNS SHALL BE MARKED FOR IDENTIFICATION. THE MARKING MATERIAL SHALL BE EITHER SCOTCH LITE, SEIBULITE, REFLEXITE OR APPROVED EQUAL. THE IDENTIFYING MESSAGE SHALL CONSIST OF INDOT AND THE MONTH AND YEAR THE SIGN IS INSTALLED. THE MESSAGE COPY SHALL CONSIST OF BLACK OR WHITE LETTERING ON THE WHITE OR BLACK BACKGROUND RESPECTIVELY AND BE OF A MINIMUM OF I"IN HEIGHT. THE MARKING FOR SHEET SIGNS SHALL BE PLACED IN THE LOWER CORNER CLOSEST TO THE CENTER LINE OF THE ROAD. THE MARKING SHALL NOT BE COVERED BY THE SIGN'S SUPPORT AFTER INSTALLATION OF THE SIGN.
	STOP SIGN SHALL NOT BE REMOVED UNTIL THE NEW ONE IS AT THE JOB SITE AND READY TO BE INSTALLED. SIGNS SHALL BE SEEN BY TRAVEL MOTORISTS AT ALL TIMES.
	ALL DESIGN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS,LUMINAIRES AND TRAFFIC SIGNALS (LATEST EDITION).

INDEX				
SHEET NO.	DRAWINGS INDEX			
/	TITLE SHEET			
2	INDEX / GENERAL NOTES / LEGEND / UTILITIES			
3	TYPICAL DETAILS			
4	MAINTENANCE OF TRAFFIC AND EROSION CONTROL			
5	OVERALL SITE PLAN INDEX MAP			
6 - 21	INTERSECTION SITE PLANS MISCELLANEOUS SUMMARY OF QUANTITIES			
22				

REVISIONS				
SHEET NO.	DATE	REVISED		

GENERAL LEGEND (EXISTING SCREENED,



ADJUST CASTING TO GRADE

CONSTRUCTION LIMITS

DETECTABLE WARNING PLATES (CAST METAL REQ'D.)

CONCRETE SIDEWALK, ON 4" COMPACTED AGGREGATE No. 53s

CRUSHED AGGREGATE #8s FOR DRIVEWAYS, 6" THICK ASSUMED

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

* APPLIES TO CONTRACT

HMA APPROACHES, VARIABLE DEPTH 0.5" MILLING THEN ASPHALT TACK COAT, THEN VARIABLE DEPTH HMA FOR APPROACHES, TYPE B

(HMA SURFACE, TYPE B, THICKNESS VARIES I" TO 3")

CONCRETE CURB, BARRIER, 6" OR VARIES TO MATCH EXISTING ADJACENT CURB HEIGHT

CONCRETE ROLL CURB

MODIFIED CONCRETE CURB AND GUTTER

SODDING, NURSERY, ON TOPSOIL

4" MULCH HARDWOOD SHREDDED BARK OVER TOPSOIL

THERMOPLASTIC CROSSWALK MARKING, 8" WHITE LINE

CURB RAMP, CONCRETE ON 4" COMPACTED AGGREGATE No. 53s

BC BOTTOM OF CURB OR GUTTER

TC TOP OF CURB

RAMP/SIDEWALK GRAPHICS

DETECTABLE WARNING SURFACE



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

TURNING SPACE

PCCP FOR APPROACHES, 6", ON SUBGRADE TREATMENT, TYPE I

PCCP FOR APPROACHES, 9", ON SUBGRADE TREATMENT, TYPE I

MAINTENANCE OF TRAFFIC AND EROSION CONTROL ITEMS

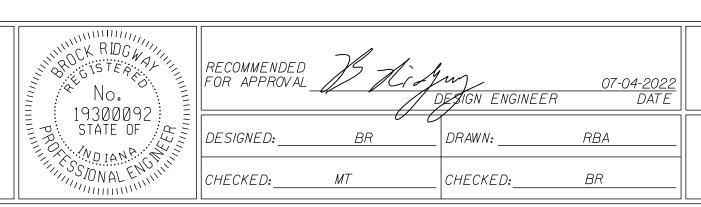
INDOT STANDARD DRUM WITH STEADY BURN LIGHTS

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

BARRICADE (TYPE III)

CONSTRUCTION SIGNS (SHAPE PER MUTCD) TRAFFIC FLOW DIRECTION

INLET PROTECTION, CURB

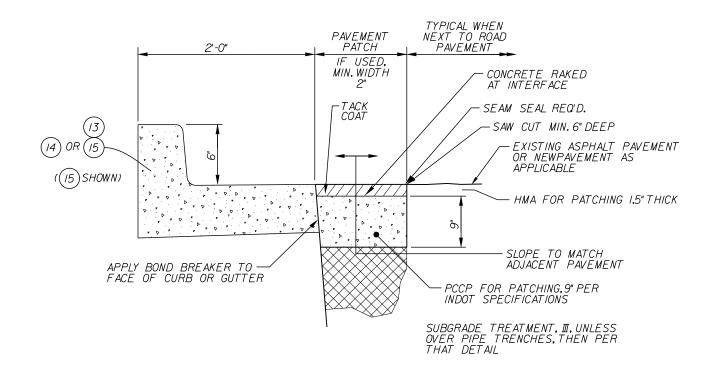


INDIANA	
DEPARTMENT OF TRANSPORTATION	

INDEX / GENERAL NOTES / LEGEND /

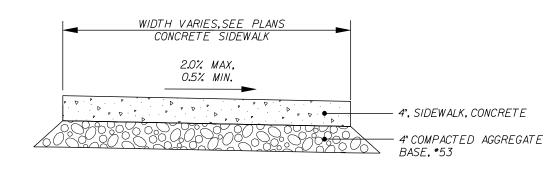
UTILITY DATA

HORIZONTAL SCALE			
N/A			
VERTICAL SCALE	DESIGNATION		
N/A	1900403		
SURVEY BOOK	SHEETS		
	2 of 22		22
CONTRACT	PROJECT		
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PAVEMENT PATCH AT CURBS DETAIL

- 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.



TYPICAL SIDEWALK DETAIL

CONCRETE SLAB JOINT NOTES:

I. CONCRETE SLAB CONSTRUCTION AND EXPANSION JOINTS SHALL BE IN ACCORDANCE WITH INDOT STANDARDS.

CURB JOINT NOTES:

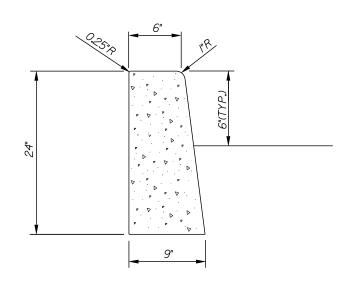
- I. ALL CURBS SHALL RECEIVE A FULL DEPTH EXPANSION JOINT FORMED WITH 1/2" PREFORMED JOINT FILLER AT THE FOLLOWING LOCATIONS:
- EVERY EXPANSION JOINT IN ADJACENT SIDEWALKS OR MEDIAN BUFFER STRIP
- AT EACH RADIUS POINT - ON EITHER SIDE OF CURB INLETS OR OTHER CASTINGS
- AT SAWCUT, LIMITS OF REMOVAL TO ANY EXISTING CURB - AT 100' MAXIMUM INTERVALS, IF NO OTHER JOINTS NEEDED
- 2. CURBS & COMBINED CURB AND GUTTER SHALL RECEIVE A TOOLED
- CONTRACTION JOINT AT 20' MAXIMUM SPACING.

CURB RAMPS AND TRUNCATED DOMES:

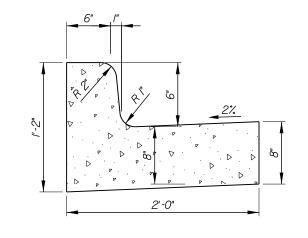
I. RAMPS TO BE CONSTRUCTED AT A MAXIMUM 12:1 SLOPE TO A LANDING AREA FOR ENTRY ONTO ROADWAY PER PLANS.

SIDEWALK JOINT NOTES:

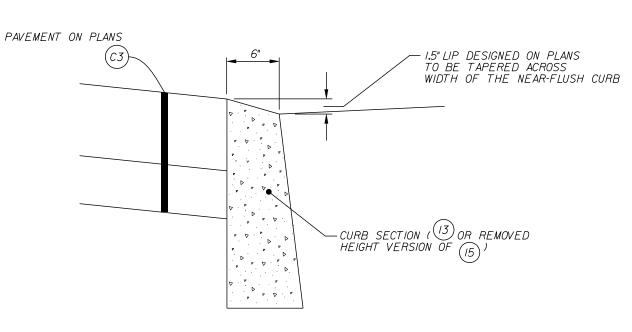
- I. INSTALL 1/2" PREFORMED JOINT FILLER BETWEEN SIDEWALKS AND ANY OTHER FIXED FEATURES (CURBS, STEPS, RAMPS, BUILDINGS, ETC.)
- 2. IN EACH SIDEWALK SEGMENT, CUT OR TOOL CONSTRUCTION JOINTS AT EVEN SPACING BUT NO MORE THAN 6' MAXIMUM APART. INSTALL AN EXPANSION JOINT
- WITH 1/2" PREFORMED JOINT FILLER AT A MAXIMUM SPACING EVERY 30' IN SIDEWALKS, AND AT EACH SIDEWALK CONNECTION TO OTHER SIDEWALKS, AT CURBS, AND AT RAMPS.
- 3. CONTRACTION AND EXPANSION JOINTS SHALL BE INSTALLED BY TOOLING, BUT FINAL SURFACE SHALL BE BROOM FINISHED.NO "WINDOW-PANE" OR SIMILAR TOOLING SHALL BE USED.

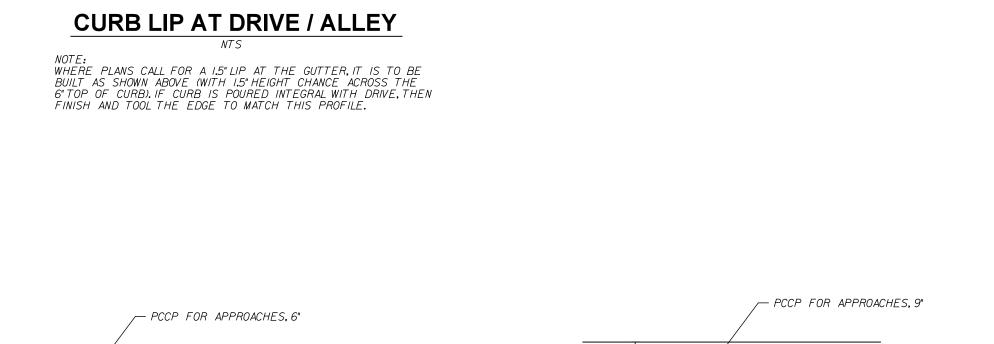


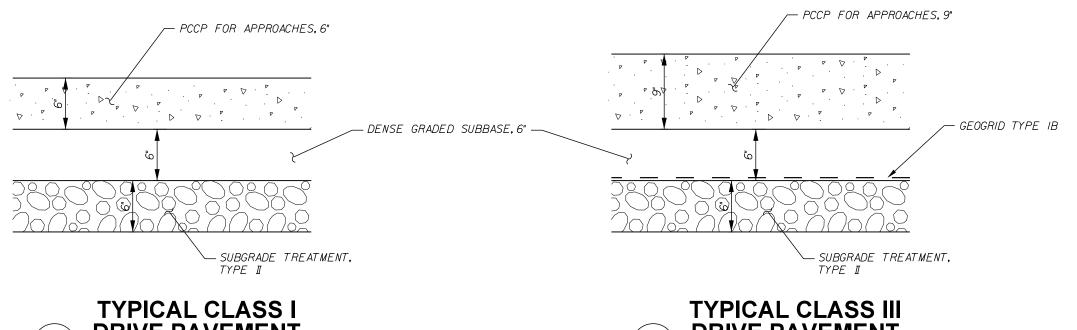
CONCRETE CURB



MODIFIED CONCRETE CURB AND GUTTER





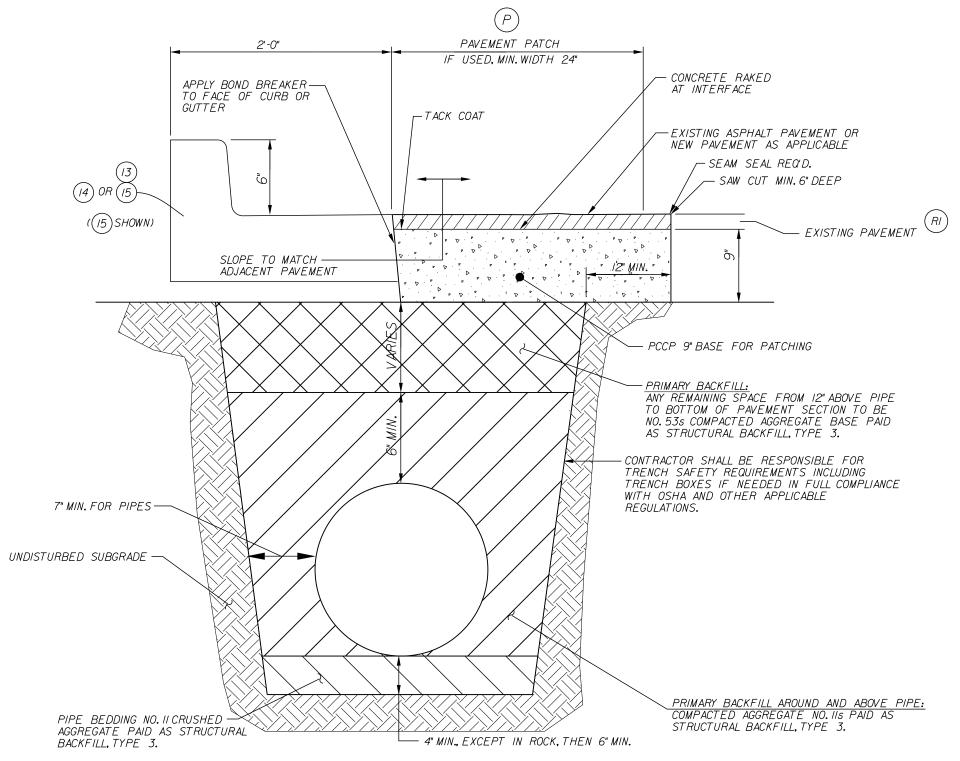


DRIVE PAVEMENT

ALL SUBGRADE AREAS SHALL BE PROOFROLLED. UNDERCUTTING WILL BE AT DISCRETION OF THE ENGINEER, AND IF USED WILL CONSIST OF: REMOVAL OF AN ADDITIONAL 6" TO 12" OF SOILS AND REPLACEMENT WITH COMP. AGG. NO. 5, WITH GEOGRID

DRIVE PAVEMENT

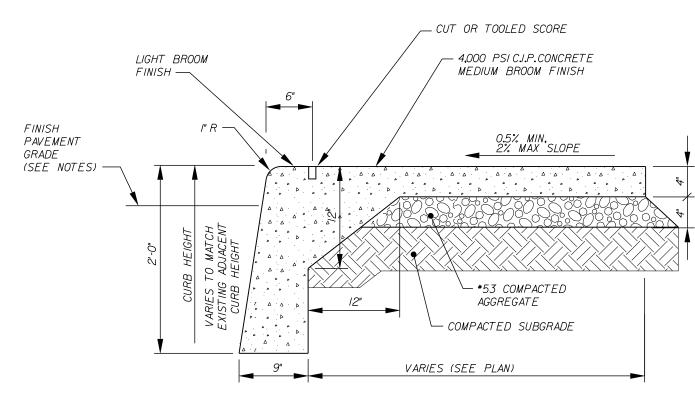
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BACKFILL AND PAVEMENT **PATCHING OVER NEW PIPES**

I. AREA BEHIND CURBS TO RECEIVE TREATMENT AS SHOWN ON THE PLANS.

- 2. PAVEMENT PATCHING MAY NOT BE REQUIRED IF EXISTING PAVEMENT CAN BE REMOVED TO A CLEAN AND STRAIGHT EDGE WITH SAWCUT AT FRONT EDGE OF PROPOSED CURB OR GUTTER.ENGINEER APPROVAL IS REQUIRED.
- 3. PAVEMENT PATCHING IS REQUIRED WHERE EXISTING PAVEMENT IS TO BE REPAIRED OR REPLACED AND THE WORK IS TOO NARROW FOR TYPICAL FULL DEPTH HMA PAVING.



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. CURB AND SIDEWALK WILL BE PAID SEPARATELY REGARDLESS OF INSTALLATION METHOD.
- 3. USE IN CONJUNCTION WITH PAVEMENT PATCH DETAIL.

CK RIDGWALL NO. 19300092 STATE OF STONAL ENTITY

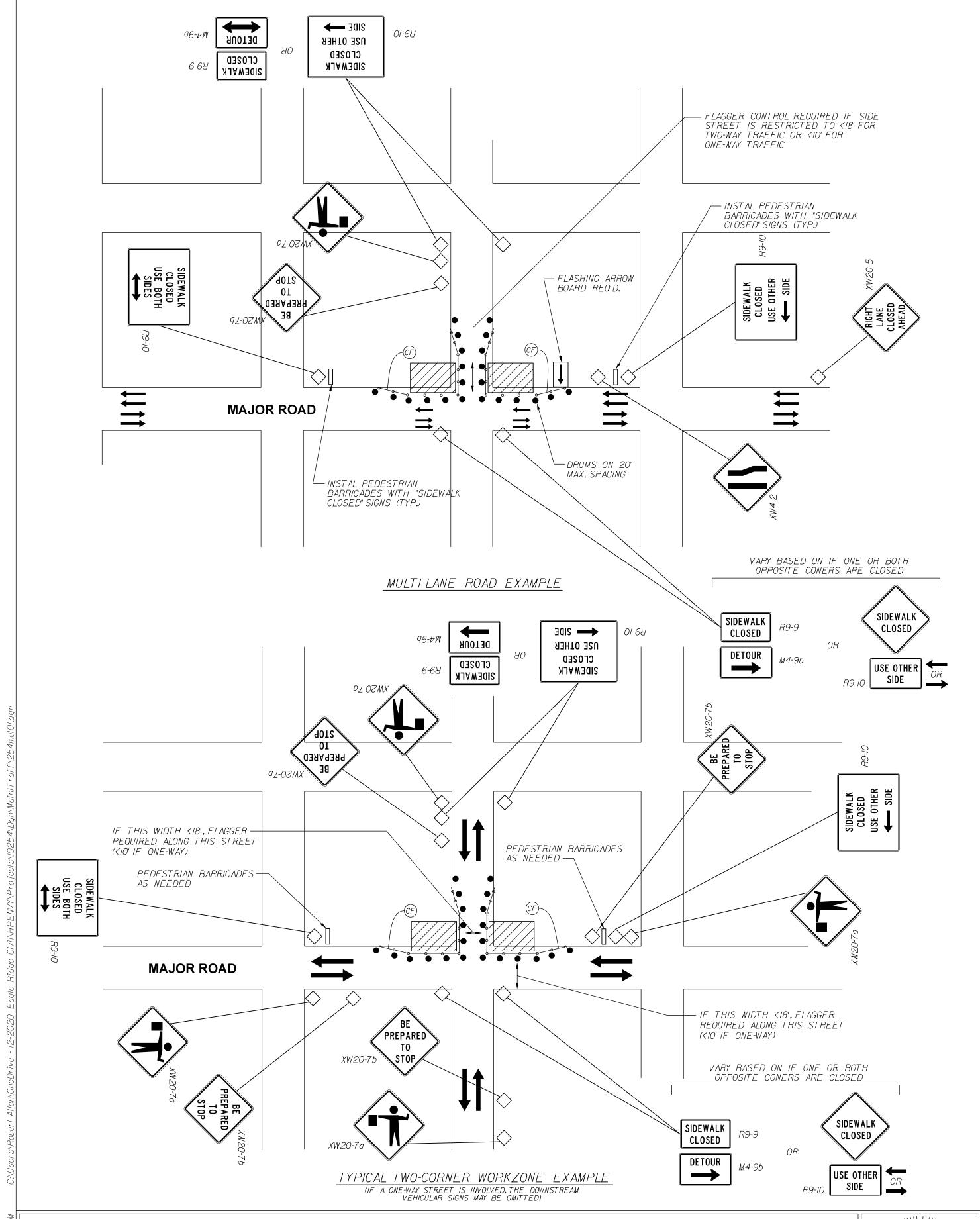
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INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

AND DETAILS

HORIZONTAL SCALE			
N/A			
VERTICAL SCALE	DESIGNATION		
N/A	1900403		
SURVEY BOOK	SHEETS		
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CONTRACT	PROJECT		
R-41896	1900403		



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. INTERSECTIONS AND THE REQUIRED PHASING SPLITS ARE AS FOLLOWS: MAJOR ROADS ARE CONSIDERED TO BE 10TH STREET AND GRANT STREET.

IF ADJACENT INTERSECTIONS ALONG IOTH STREET, GRANT, LINCOLN OR INDIANA 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, ALLEYS AND DRIVES MAY BE CLOSED AS NEEDED.

- 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. 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 AND ONLY FOR THE TIME NECESSARY TO SUPPORT WORK IN PROGRESS AND EXPECTED TO RESUME THE FOLLOWING DAY.
- 5. CONTRACTOR SHALL SUPPORT TRAFFIC FLOW, EVEN IF WITH FLAGGERS. TO THE MAXIMUM EXTENT PRACTICABLE. CONTRACTOR SHALL ALWAYS BE ABLE TO CLEAR A MINIMUM OF I LANE WIDTH TO ACCOMODATE EMERGENCY VEHICLES.
- 6. IOTH STREET MUST SUPPORT TWO-WAY TRAFFIC, AND MAY NOT BE RESTRICTED TO LESS THAN 18'.
- 7. 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:

- 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. THE CITY WILL PROVIDE A MANDATED LIST FOR ROAD RESTRICTON/ROAD CLOSURE NOTIFICATIONS.
- 3. 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 PROPERTY WITHOUT ADVANCE COORDINATION AND NOTICE GIVEN OF IMPENDING CLOSURE.
- 3. WHERE ACCESS TO A RESIDENCE IS TO BE RESTRICTED, CONTRACTOR SHALL NOTIFY THE RESIDENT(S) A MINIMUM 5 BUSINESS DAYS IN ADVANCE. FOR BUSINESS LOCATIONS, THE NOTIFICATION MUST BE AT LEAST 10 DAYS IN ADVANCE.

MAINTENANCE OF PEDESTRIAN ACCESS NOTES:

- CONTRACTOR SHALL ERECT, MAINTAIN AND MODIFY TEMPORARY CONSTRUCTION FENCING AROUND EACH WORKZONE TO DISCOURAGE TRESPASS DURING ALL PHASES. CONSTRUCTION FENCING SHALL BE INCLUDED IN THE COSTS FOR MAINTENANCE OF TRAFFIC.
- 2. CONSTRUCTION FENCING SHALL BE USED IN CONJUNCTION WITH TRAFFIC DRUMS WHERE VEHICULAR TRAFFIC IS ALSO BEING RESTRICTED ALONGSIDE A WORKZONE.
- 3. PEDESTRIAN SIGNAGE MUST BE KEPT UPDATED TO THE CURRENT WORKZONES JUST AS VEHICULAR SIGNAGE IS ADJUSTED TO CURRENT CONDITIONS.

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.

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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

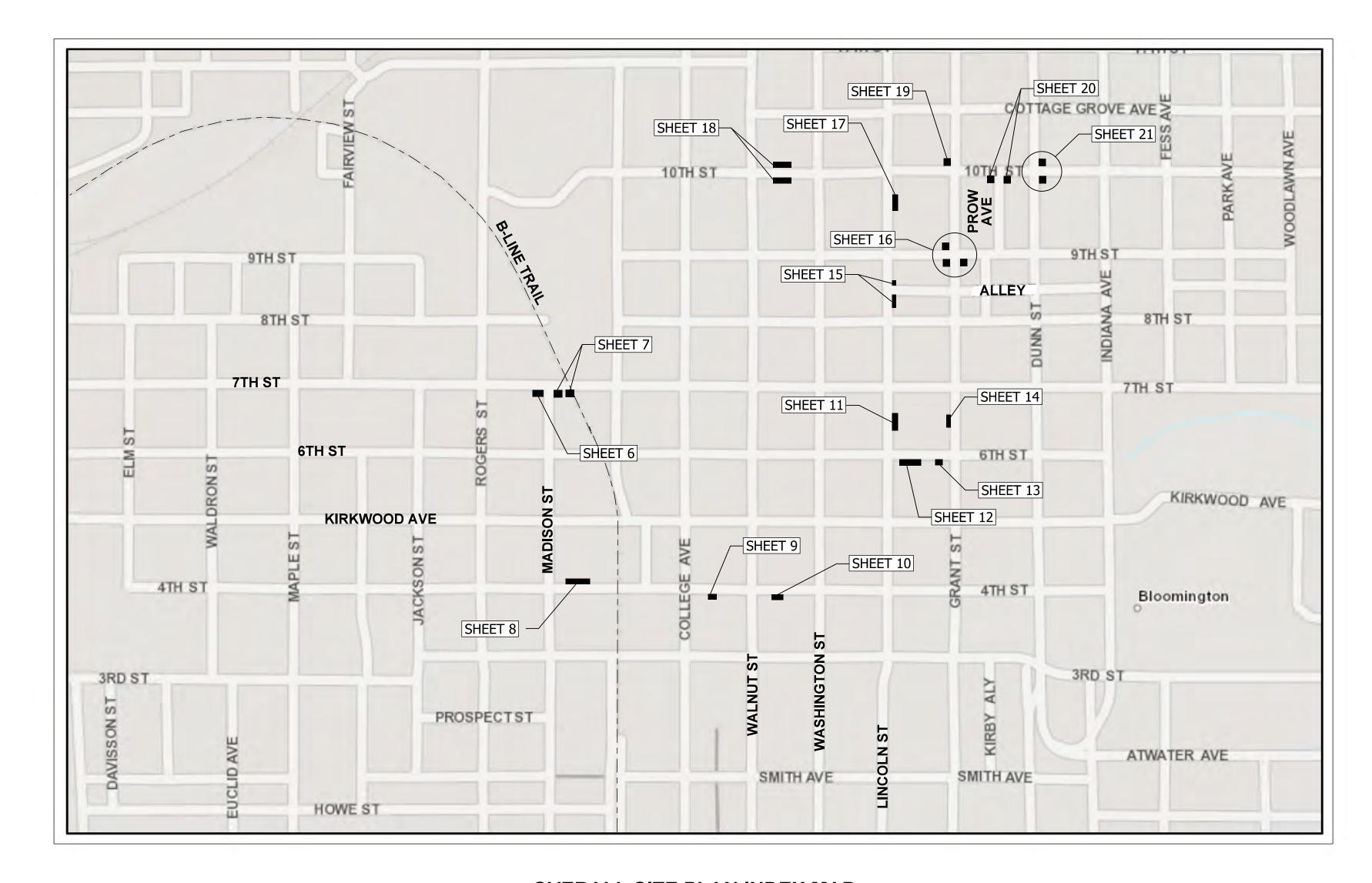


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MAINTENANCE OF TRAFFIC AND EROSION CONTROL		4	of	22	
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OVERALL SITE PLAN INDEX MAP

No.

19300092

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OVERALL SITE PLAN INDEX MAP		
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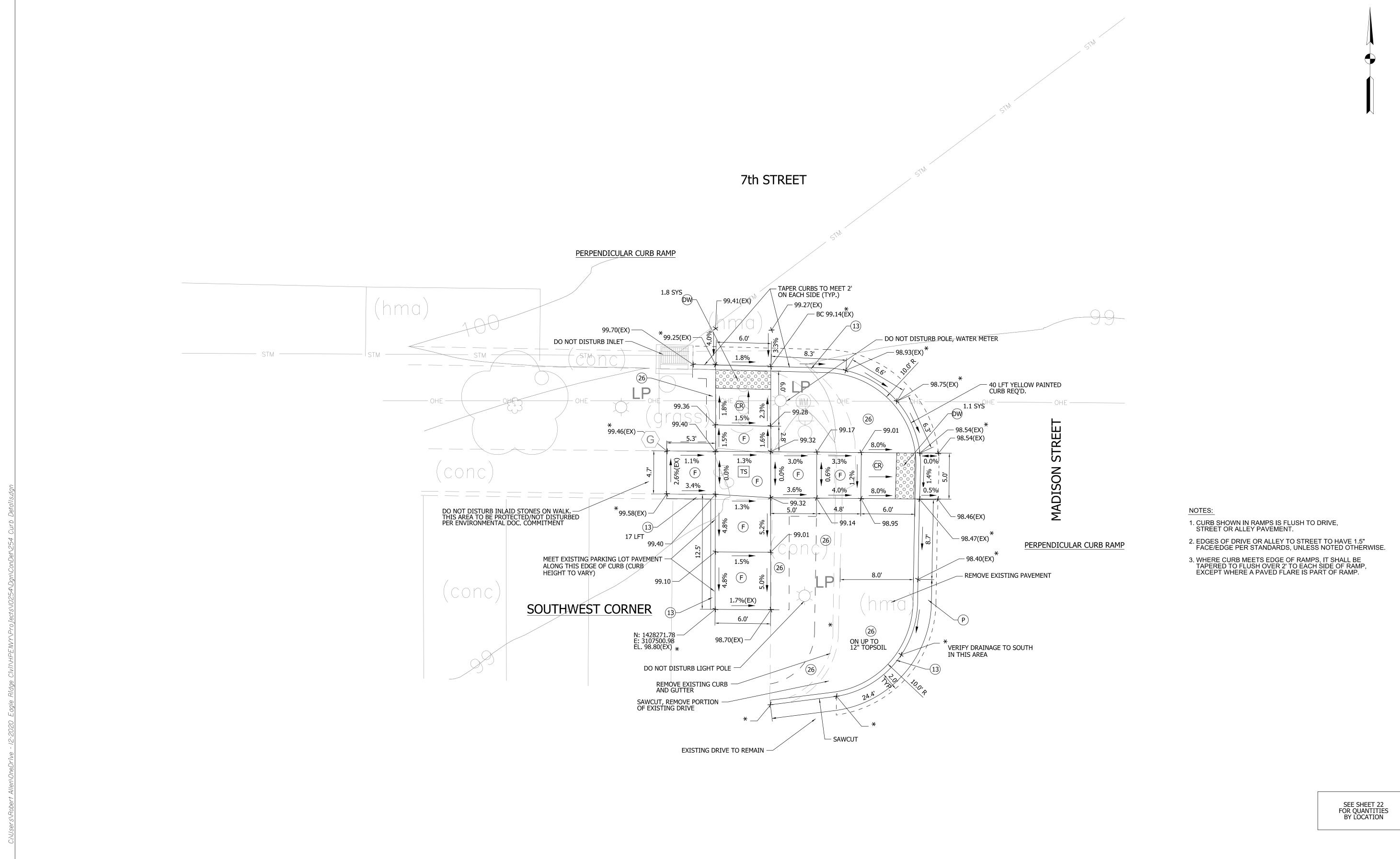
SHEETS

PROJECT

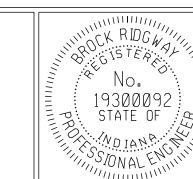
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of 22



* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK

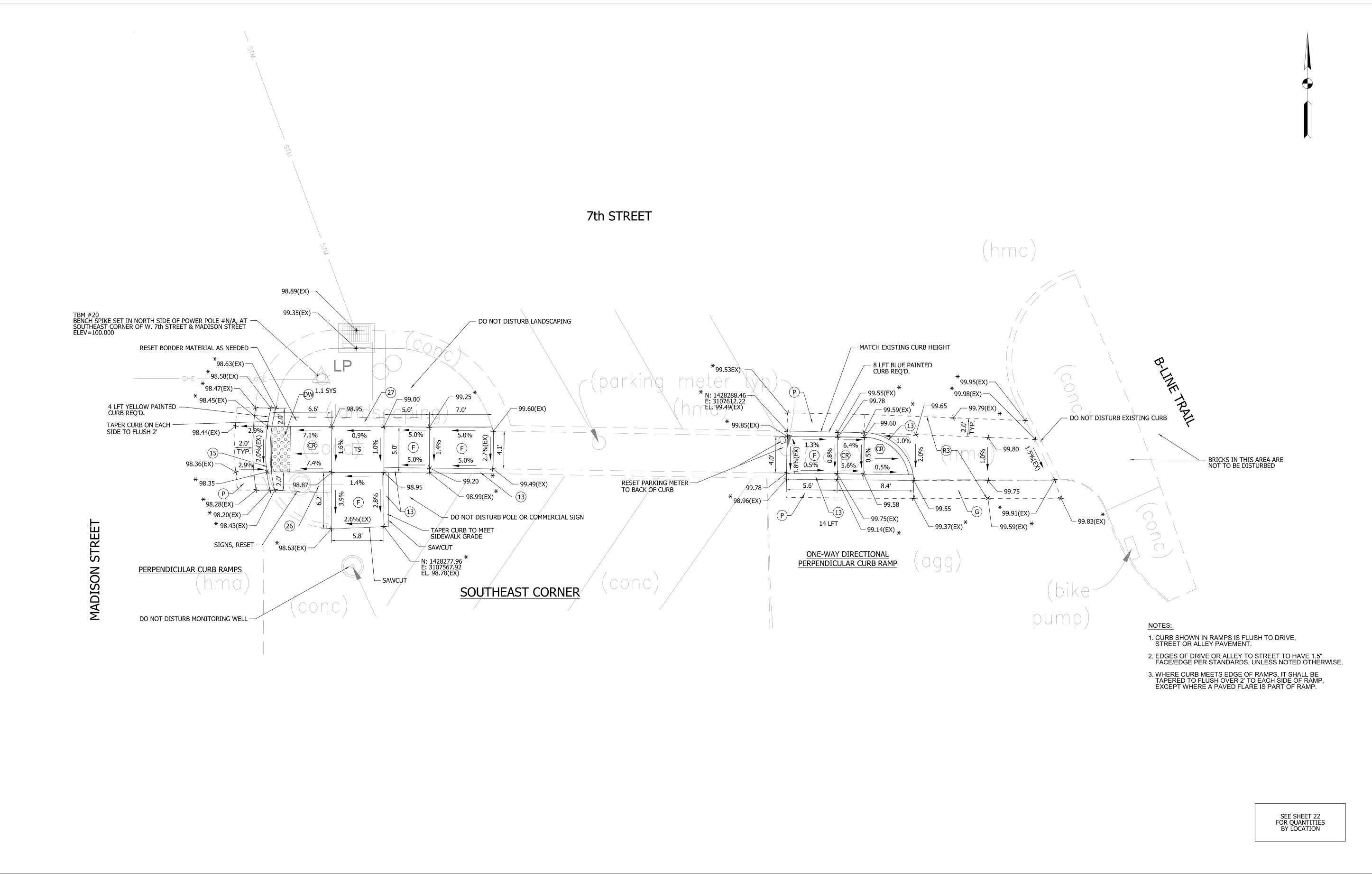


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SURVEY BOOK	SHEETS		S
	6	of	22
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CURB RAMP DETAILS 7TH AND MADISON STREETS



* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK



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`	CHECKED:	MT	CHECKED:	BR	

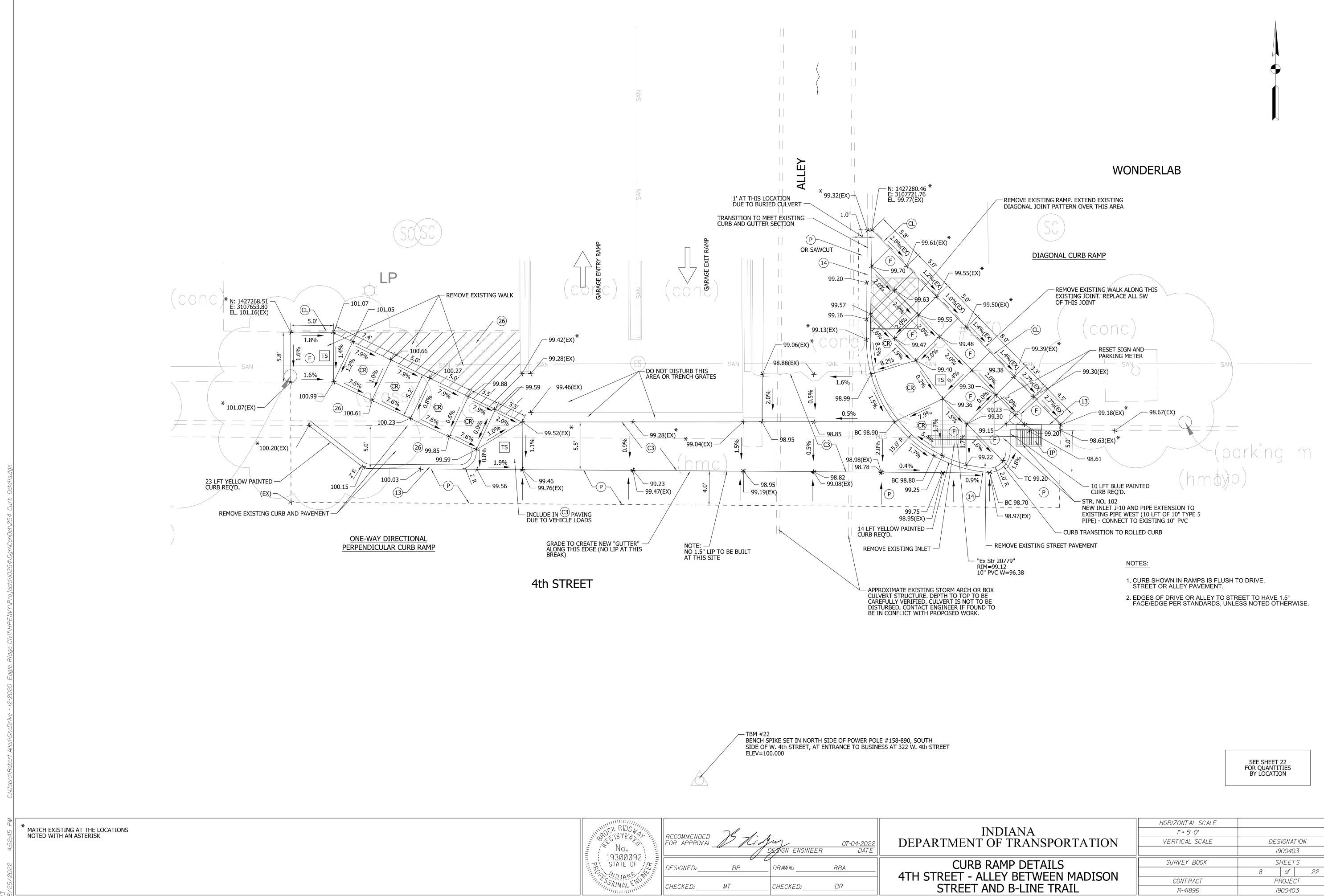
INDIANA DEPARTMENT OF TRANSPORTATION	

/" = 5'-O"			
VERTICAL SCALE	DESIGNATION		
	1900403		
SURVEY BOOK	SHEETS		
	7 of 22		22
CONTRACT	PROJECT		
R-41896	19	0040	3

HORIZONTAL SCALE

CURB RAMP DETAILS 7TH STREET - B-LINE TRAIL

12 8/25/2



DESIGNED:

CHECKED:_

CHECKED:

of

PROJECT

1900403

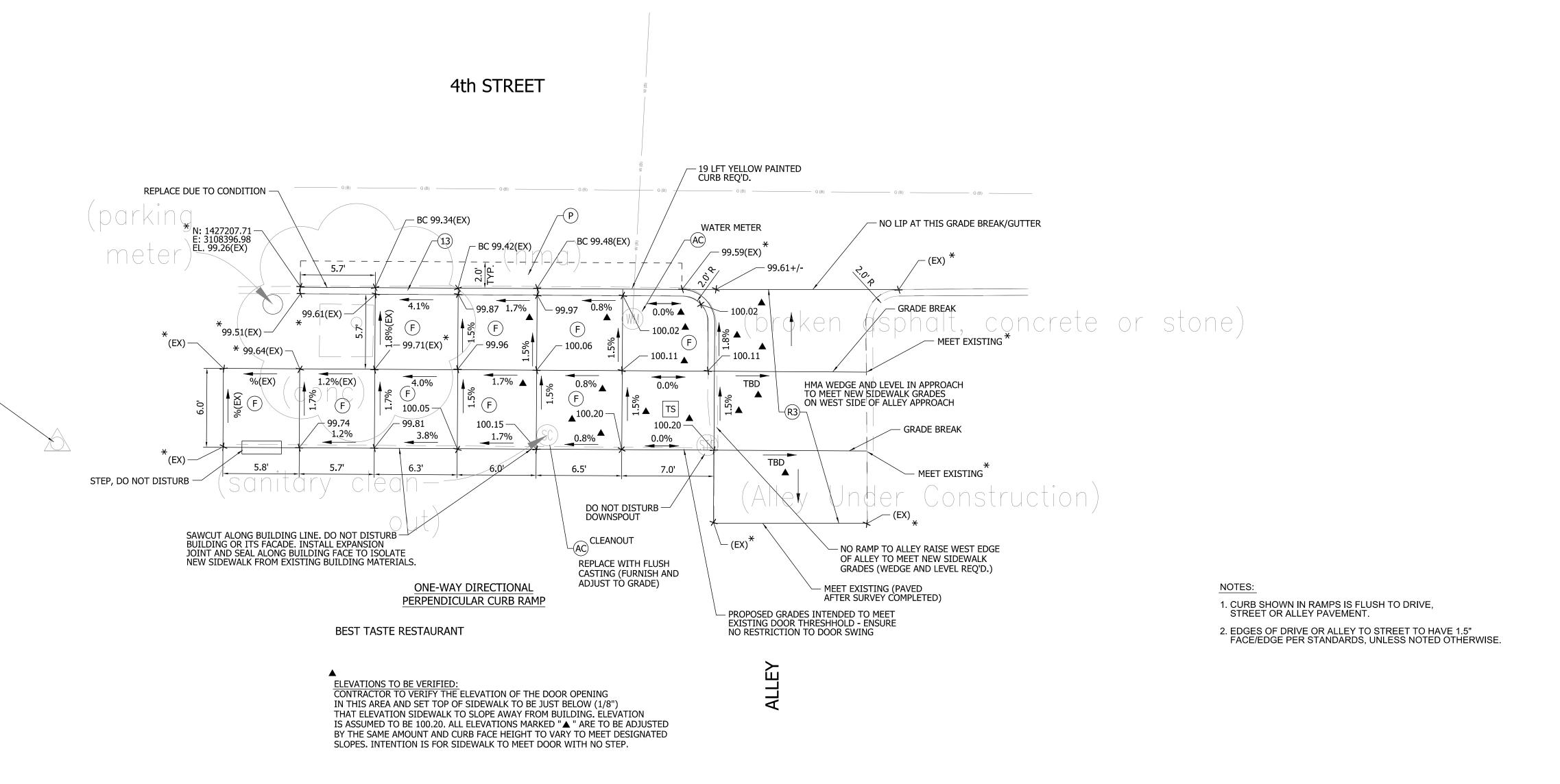
CONTRACT

R-41896

22

ND IAND STATE





SEE SHEET 22 FOR QUANTITIES BY LOCATION

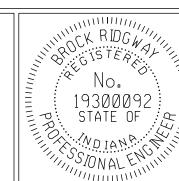
* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK

CUT "

ON NORTHWEST CORNER OF CONCRETE STEP AT 135 W 4th STREET, SOUTH SIDE

OF W. 4th STREET AND 150' EAST OF COLLEGE AVENUE NORTHWEST CORNER RESIDENT #312

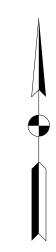
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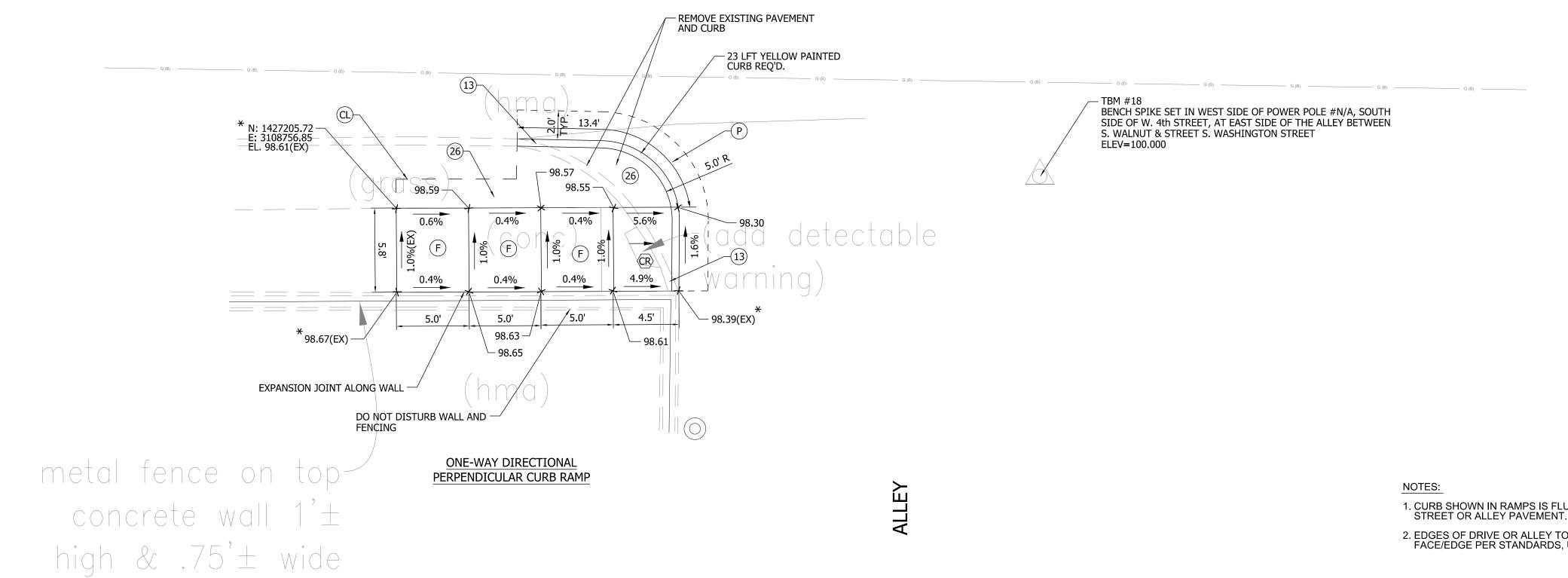


1111111	RECOMMENDED FOR APPROVAL	B Nid	i DESIGN ENGINEER	07-04-2022 DATE	
Ши,	DESIGNED:	BR BR	DRAWN:	RBA	
	CHECKED.	MΤ	CHECKED.	<i>RR</i>	

HORIZONTAL SCALE INDIANA DEPARTMENT OF TRANSPORTATION /" = 5'-0" VERTICAL SCALE SURVEY BOOK

DESIGNATION 1900403 CURB RAMP DETAILS 4TH STREET - ALLEY BETWEEN COLLEGE AVENUE AND WALNUT STREET SHEETS of 22 CONTRACT PROJECT R-41896 1900403





1. CURB SHOWN IN RAMPS IS FLUSH TO DRIVE,

2. EDGES OF DRIVE OR ALLEY TO STREET TO HAVE 1.5" FACE/EDGE PER STANDARDS, UNLESS NOTED OTHERWISE.

R-41896

SEE SHEET 22 FOR QUANTITIES BY LOCATION

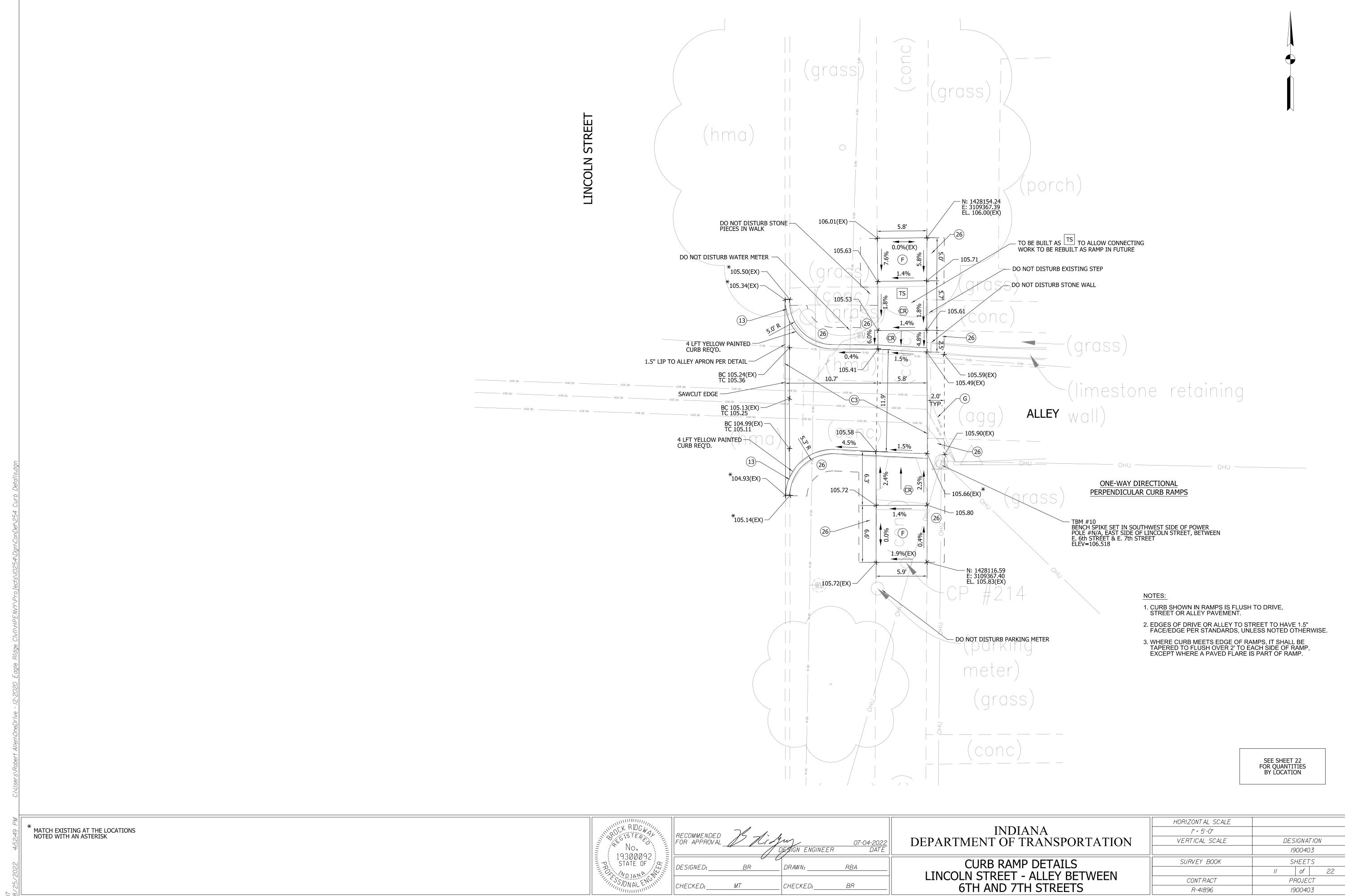
1900403

HORIZONTAL SCALE No.

19300092

STATE OF

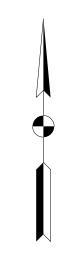
NOINNESSIONAL ENTITUMENTS * MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK INDIANA DEPARTMENT OF TRANSPORTATION /" = 5'-O" RECOMMENDED FOR APPROVAL // Lidyn DESIGN ENGINEER VERTICAL SCALE DESIGNATION 1900403 CURB RAMP DETAILS 4TH STREET - ALLEY BETWEEN WALNUT AND WASHINGTON STREETS SURVEY BOOK SHEETS of 22 CONTRACT PROJECT CHECKED:__ MT

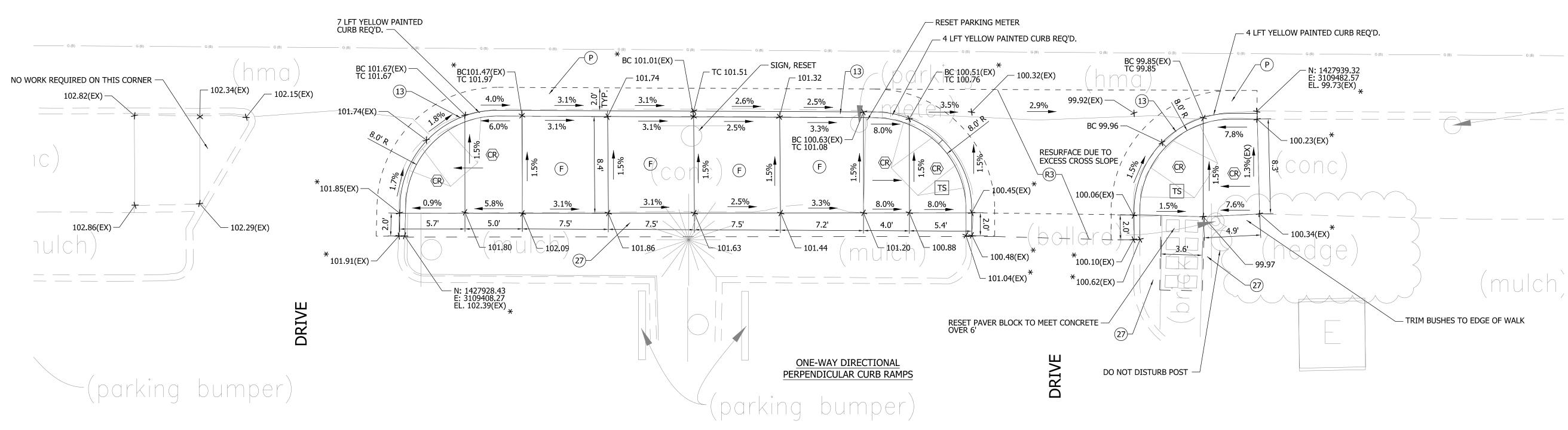


CHECKED:_

R-41896

1900403





LIBRARY PARKING LOT

CURB SHOWN IN RAMPS IS FLUSH TO DRIVE, STREET OR ALLEY PAVEMENT.

R-41896

- 2. EDGES OF DRIVE OR ALLEY TO STREET TO HAVE 1.5" FACE/EDGE PER STANDARDS, UNLESS NOTED OTHERWISE.
- 3. WHERE CURB MEETS EDGE OF RAMPS, IT SHALL BE TAPERED TO FLUSH OVER 2' TO EACH SIDE OF RAMP, EXCEPT WHERE A PAVED FLARE IS PART OF RAMP.

SEE SHEET 22 FOR QUANTITIES BY LOCATION

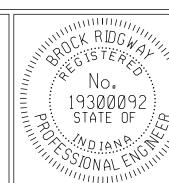
DESIGNATION 1900403

> SHEETS of

PROJECT

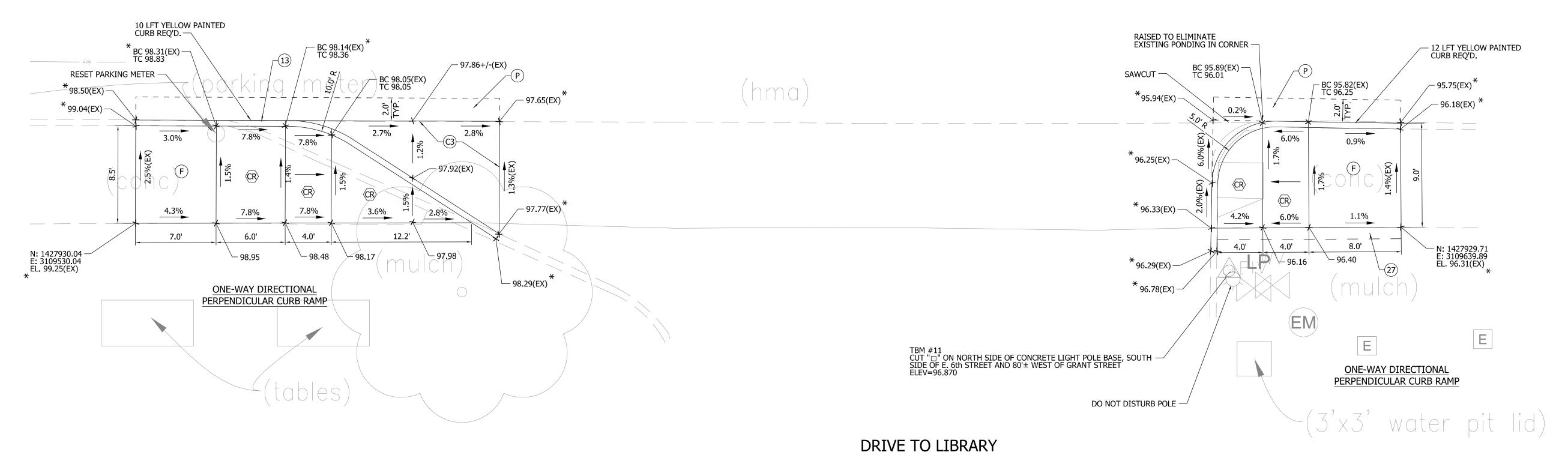
1900403

* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK



	RECOMMENDED FOR APPROVAL	I List	i DESIGN ENGINEER	07-04-2022 DATE	
11111.	DESIGNED:	BR	DRAWN:	RBA	
	CHECKED:	МТ	CHECKED:	BR	

HORIZONTAL SCALE INDIANA DEPARTMENT OF TRANSPORTATION /" = 5'-0" VERTICAL SCALE CURB RAMP DETAILS 6TH STREET -SURVEY BOOK CONTRACT MONROE COUNTY LIBRARY DRIVES

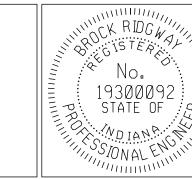


NOTES

- CURB SHOWN IN RAMPS IS FLUSH TO DRIVE, STREET OR ALLEY PAVEMENT.
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SEE SHEET 22 FOR QUANTITIES BY LOCATION

* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK

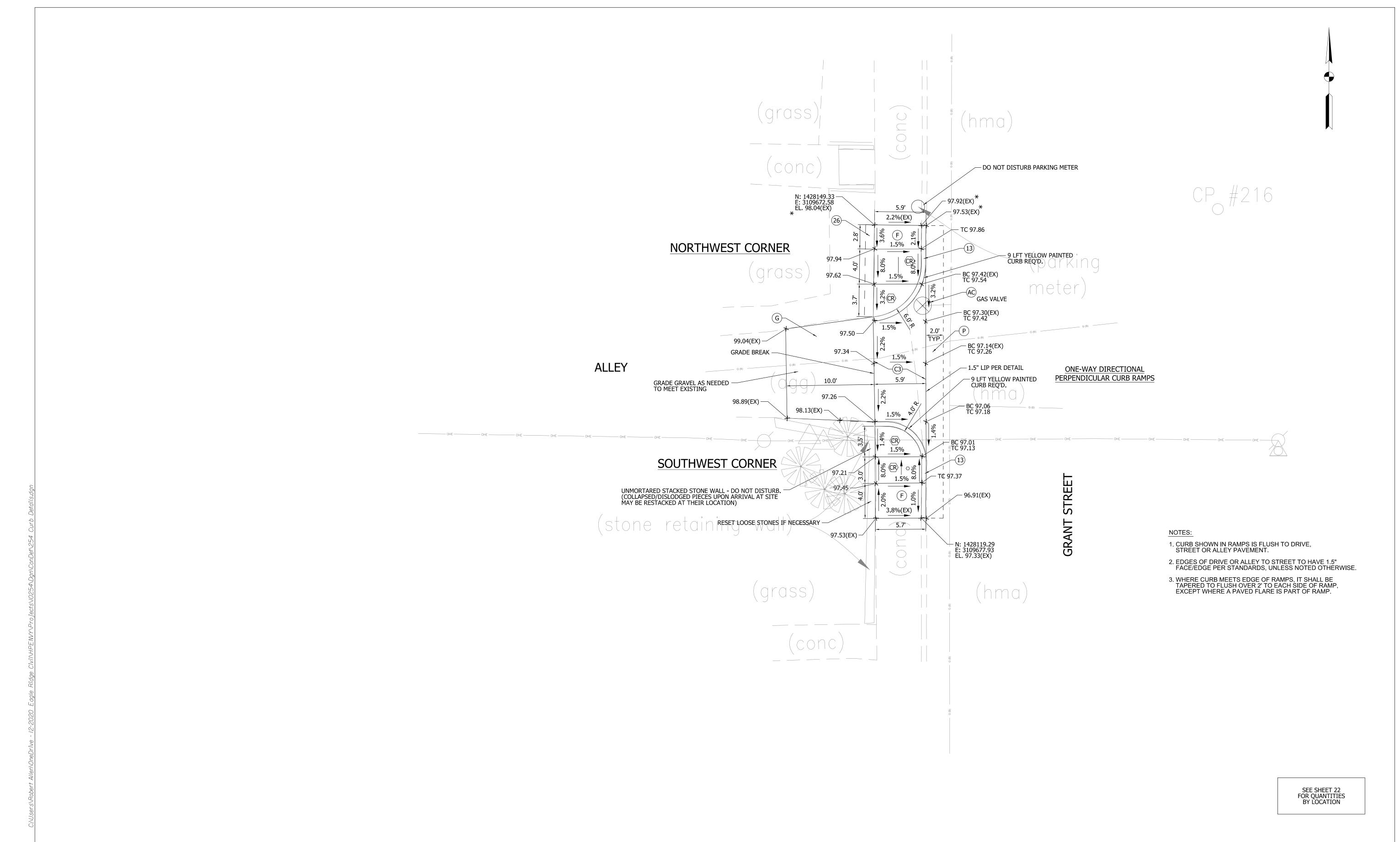


	RECOMMENDED FOR APPROVAL	Is Nidy	DESIGN ENGINEER	07-04-2022 DATE
WEER WILLIAM	DESIGNED:	BR	DRAWN:	RBA
<u>,,, </u>	CHECKED.	MT	CHECKED.	RR .

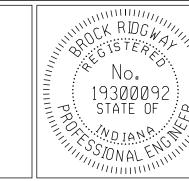
INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS 6TH STREET -	

MONROE COUNTY LIBRARY DRIVE

HORIZONTAL SCALE			
/" = 5'-O"			
VERTICAL SCALE	DESIGNATION		
	1900403		
SURVEY BOOK	SHEETS		
	13 of 22		
CONTRACT	PROJECT		
R-41896	1900403		



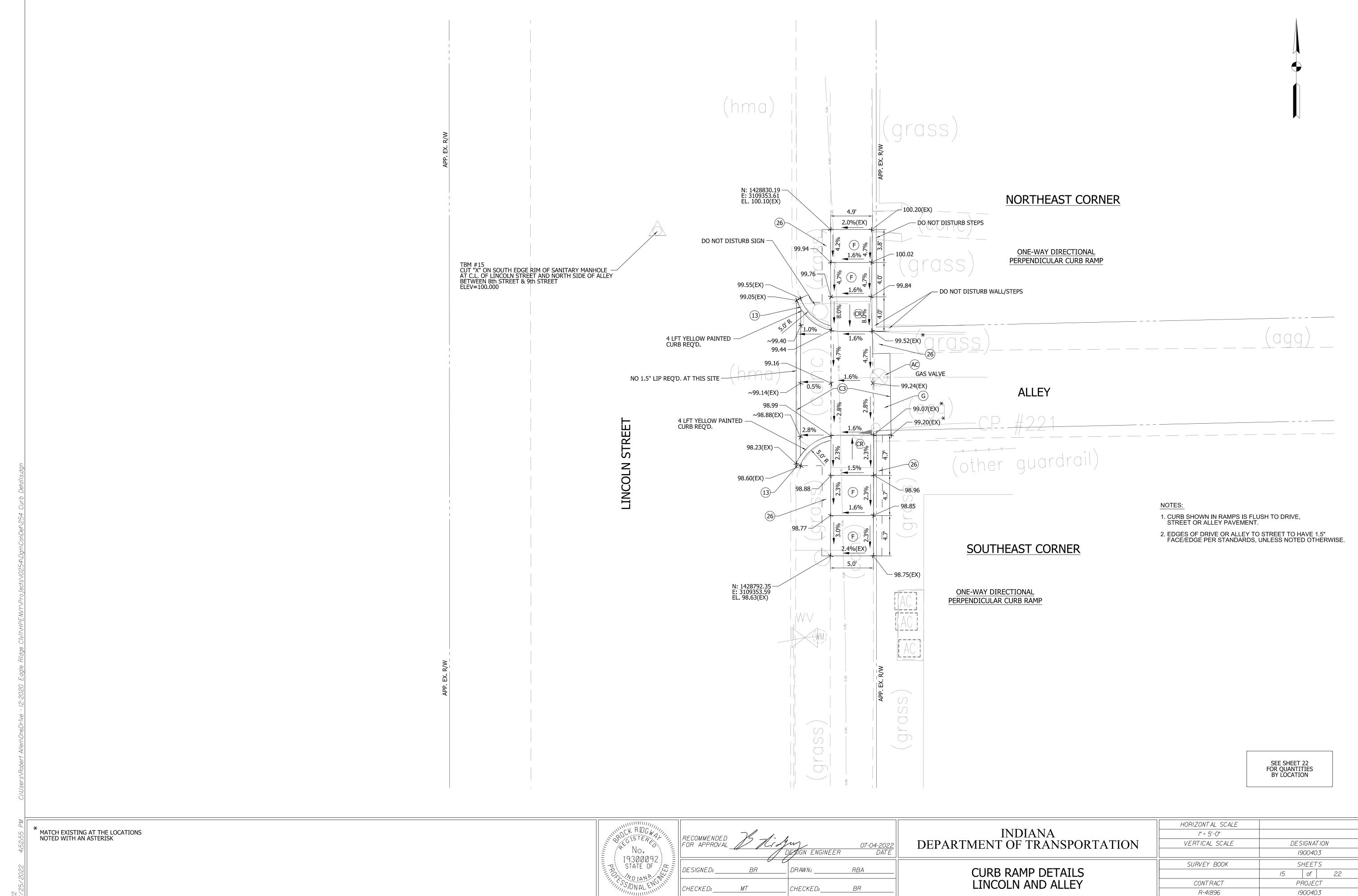
* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK



111111111	RECOMMENDED FOR APPROVAL	I Nis	i DESIGN ENGINEER	07-04-2022 DAT E	
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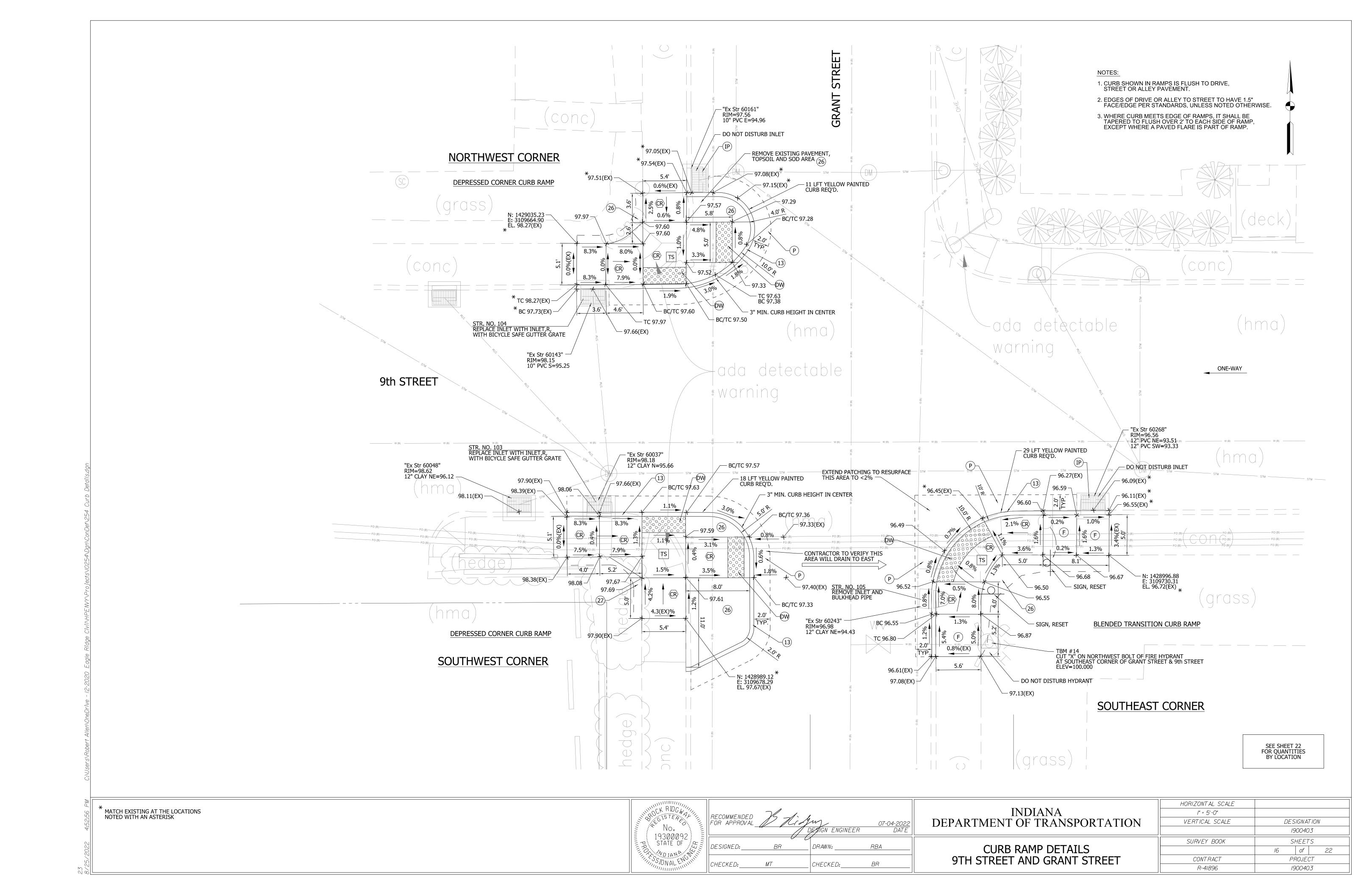
INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS GRANT STREET - ALLEY BETWEEN 6TH AND 7TH STREETS	

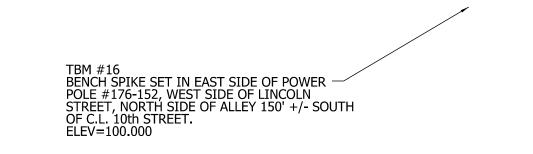
HORIZONT AL SCALE		
/" = 5'-O"		
VERTICAL SCALE	DESIGNATION	
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SURVEY BOOK	SHEETS	
	14 of 22	
CONTRACT	PROJECT	
R-41896	1900403	

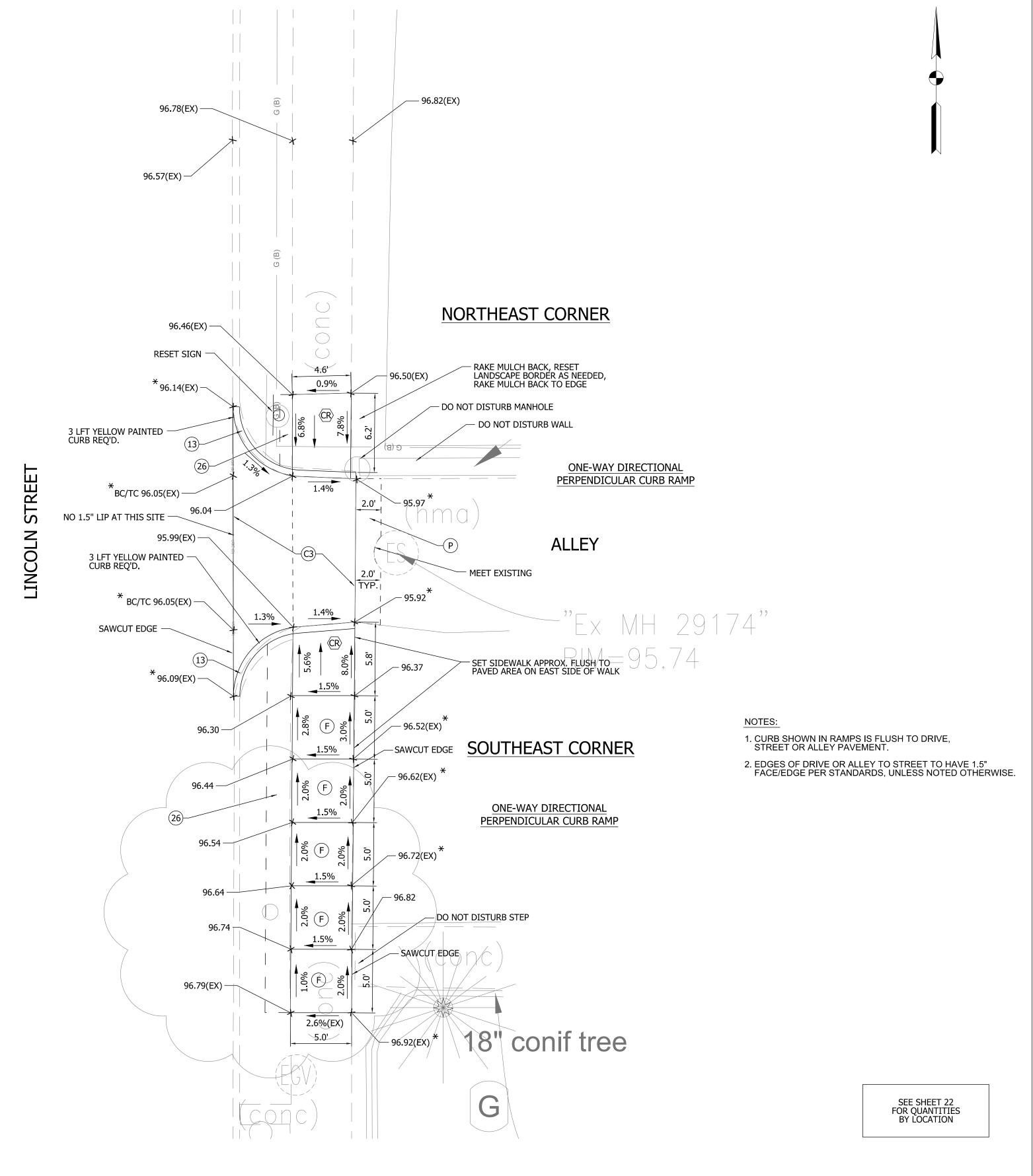


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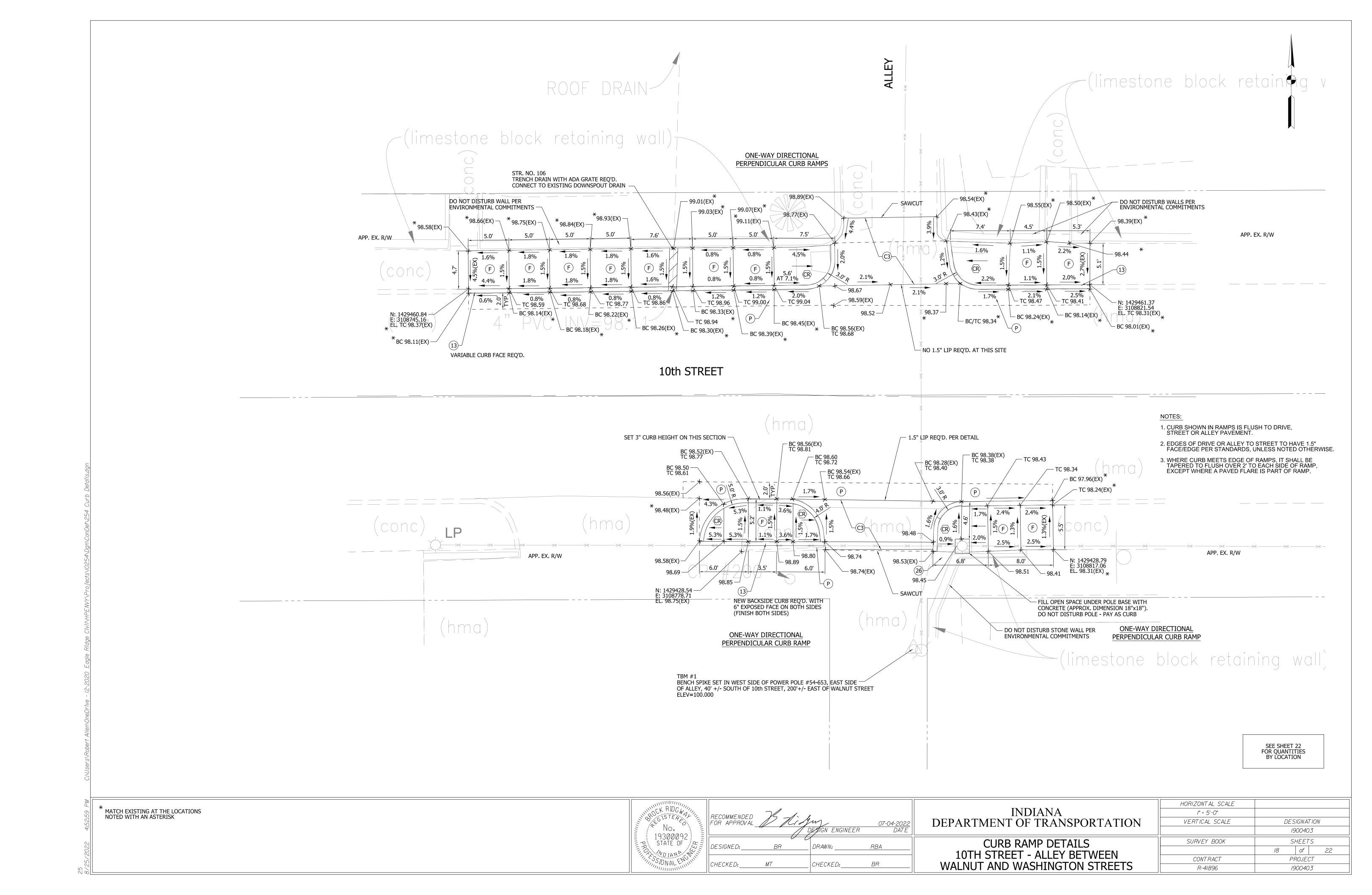
* MATCH EXISTING AT THE LOCATIONS NOTED WITH AN ASTERISK

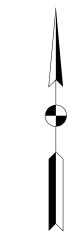


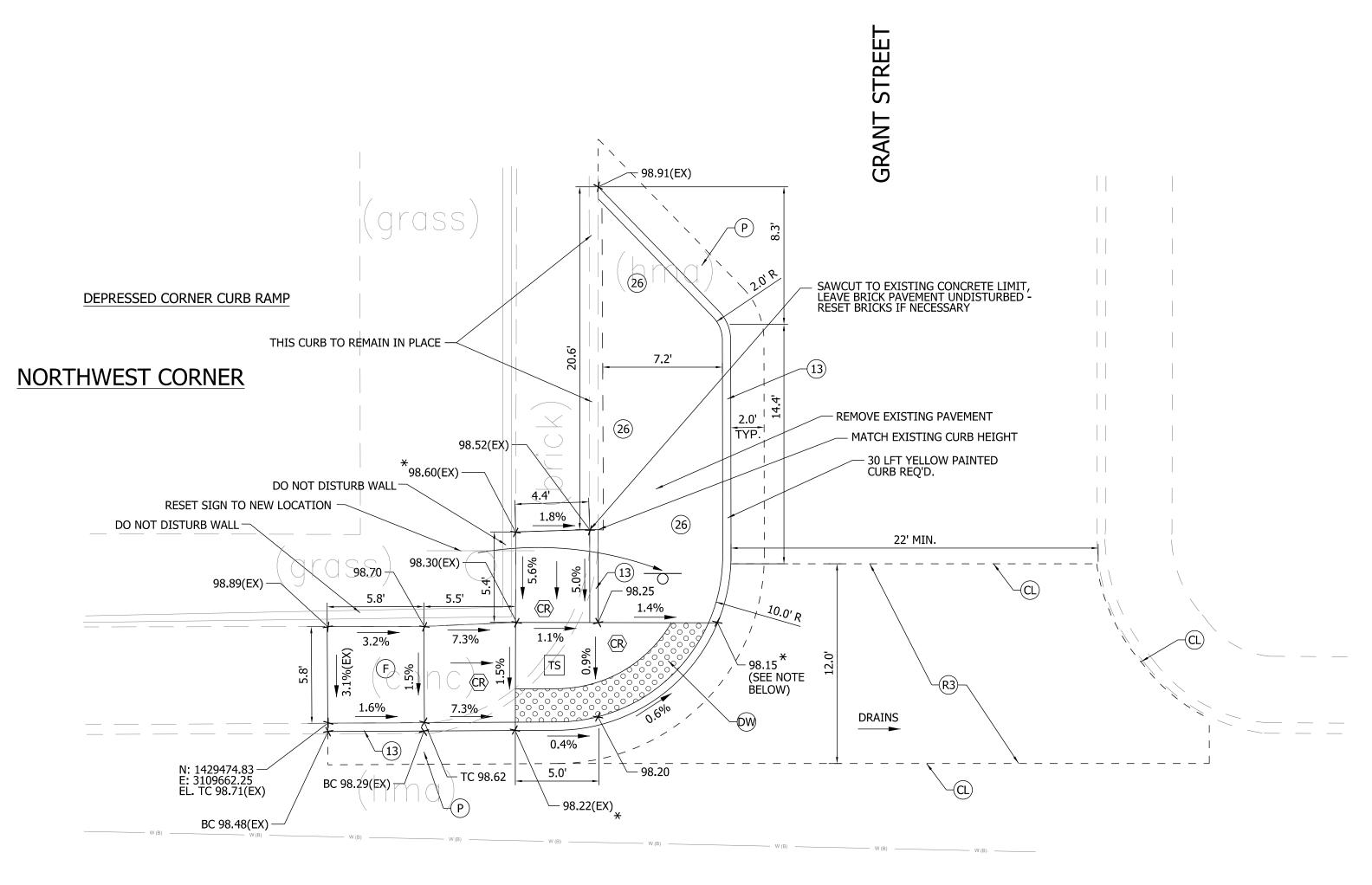
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INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS LINCOLN STREET - ALLEY BETWEEN 9TH AND 10TH STREETS	

HORIZONI AL SCALE			
l" = 5'-0"			
VERTICAL SCALE	DESIGNATION		
	1900403		
SURVEY BOOK	SHEETS		
	17 of 22		
CONTRACT	PROJECT		
R-41896	1900403		







BUMPOUT EXTENDS BEYOND SURVEY. CONTRACTOR TO VERIFY GRADES GIVEN ARE VIABLE AND REPORT TO ENGINEER IF ADJUSTMENTS ARE NEEDED TO PROMOTE DRAINAGE TO EAST SIDE OF STREET

NOTES:

- CURB SHOWN IN RAMPS IS FLUSH TO DRIVE, STREET OR ALLEY PAVEMENT.
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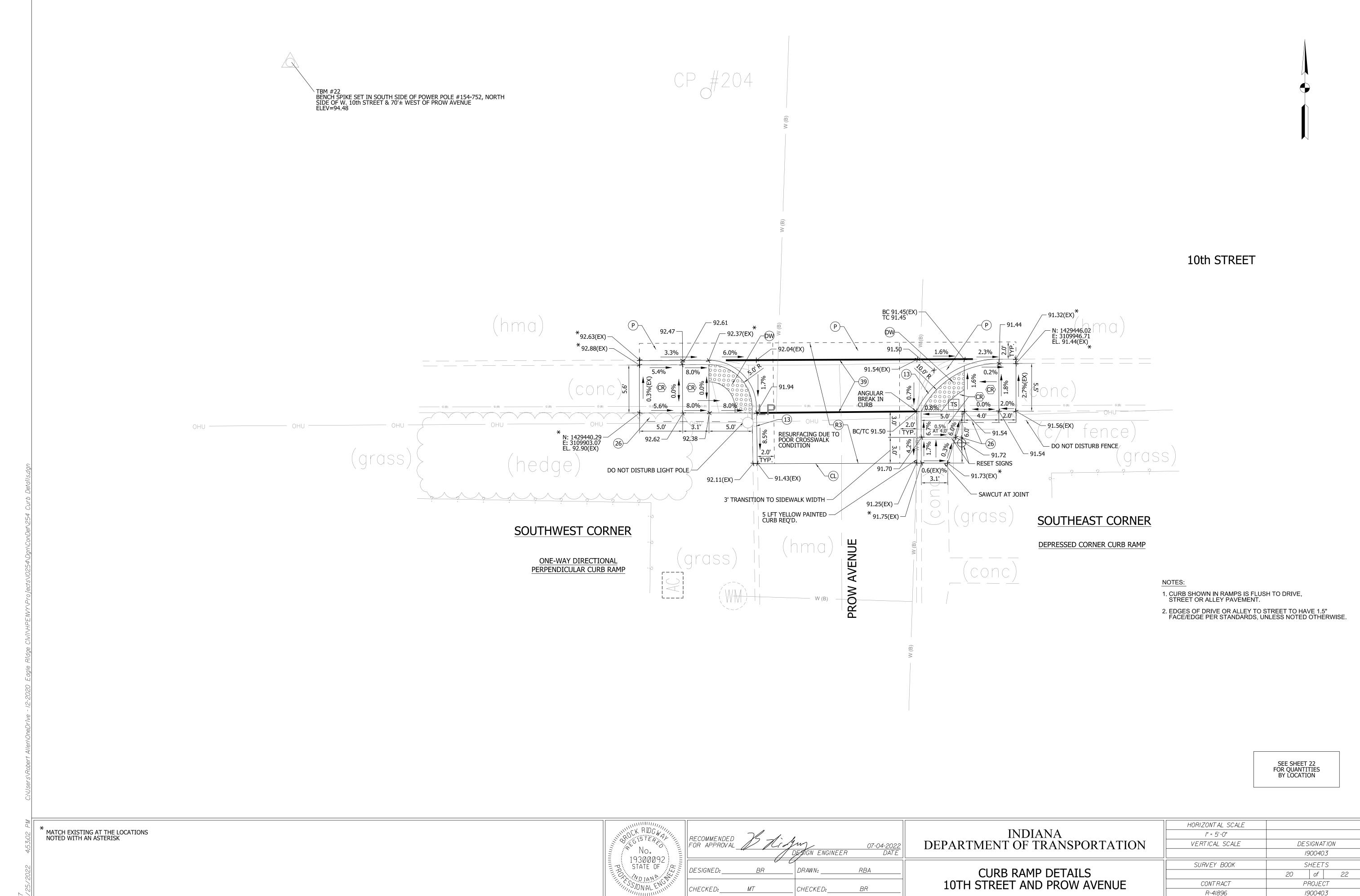
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	RECOMMENDED FOR APPROVAL	B Kid	Juy DESIGN ENGINEER	07-04-2022 DAT E	> =
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INDIANA	
DEPARTMENT OF TRANSPORTATION	

CURB RAMP DETAILS 10TH STREET AND GRANT STREET

HORIZONTAL SCALE				
/" = 5'-O"				
VERTICAL SCALE	DESIGNATION			
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SURVEY BOOK	SHEETS			
	19 of 22			
CONTRACT	PROJECT			
R-41896	1900403			



DESIGNED:

CHECKED:_

BR

CURB RAMP DETAILS 10TH STREET AND PROW AVENUE

20

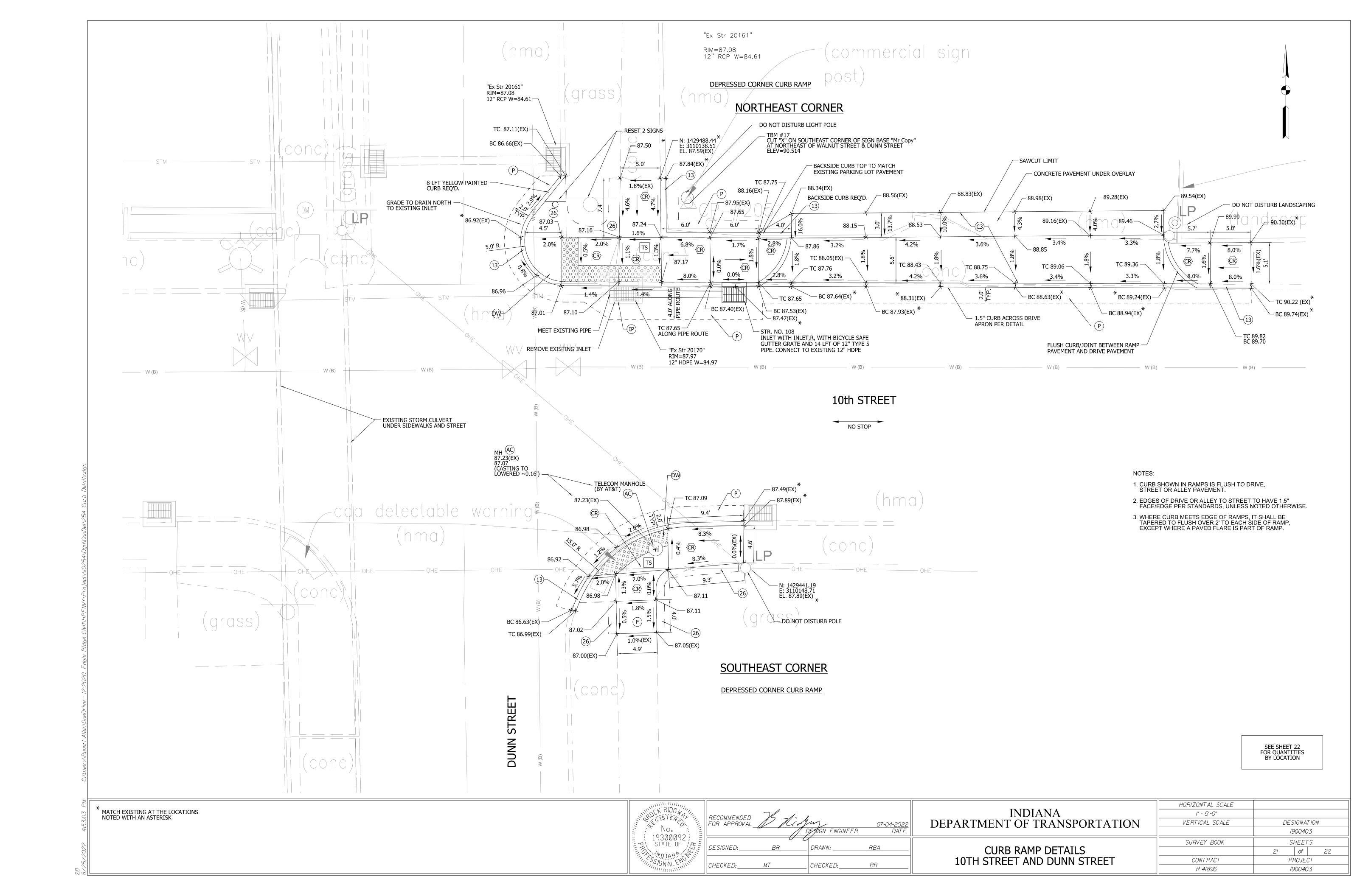
CONTRACT

R-41896

of

PROJECT

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			-							QUANTI														
SHEET REFERENCE			-	9	10	10	11	12	13	14	15	16	17	18		19		20	2	21	22	23	2	24
PRIMARY STREET				7	TH	7TH	4TH	4TH	4TH	LINCOLN	6TH	6ТН	GRANT	LINCOLN		GRANT		LINCOLN	10	TH	10TH	10TH	10	отн
INTERSECTING STREET				Mad	dison	B-Line Trail	Alley btw. Madison & B-Line	Alley btw. College & Walnut	Alley btw. Walnut & Washingto	Alley btw. 6th & 7th	Library Drives (West)	Library Drive (East)	Alley btw. 6th & 7th	Alice St (Alley)		9th St		Alley btw. 9th & 10th	The Prince of the State of	. Walnut & ington	Grant	Prow	Du	unn
SIDE OR CORNER				sw	SE	sw	N	S	sw	E	S	S	w	E	NW	sw	SE	E	N	S	NW	S	NE	SE
TEM NUMBER	DESCRIPTION	UNITS	TOTALS																				<u> </u>	
05-06845	CONSTRUCTION ENGINEERING	LSUM	1	1																				
			1																					
10-01001	MOBILIZATION AND DEMOBILIZATION	LSUM	1			_	-											_						-
201-52370	CLEARING RIGHT OF WAY	LSUM	1	- 3	0	0	1.4	0	0	12	0	12		-14	0	0	0	0	12	0	0		47	1
202-02240	PAVEMENT REMOVAL	SYS	115	2	0	0	14	0	0	13		13	0	14	0	0		0	12	0	0	0	47	0
202-02278	CURB, CONCRETE, REMOVE	LFT	783	0	18	30	42	43	17	43	85	60	30	23	20	31	0	29	75	40	25	47	100	2
202-02279	CURB AND GUTTER, REMOVE	LFT	109	42	9	0	25	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0
202-04650	PARKING METER, RESET	EACH	4	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
202-52710	SIDEWALK CONCRETE, REMOVE	SYS	466	24	18	6	51	42	11	16	54	38	13	16	12	12	19	20	34	14	11	17	25	1
202-91385	INLET, REMOVE	EACH	3	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
203-02000	EXCAVATION COMMON	CYS	152	9	0	0	90	0	0	13	0	0	8	1	5	6	0	5	0	4	9	0	2	0
205-12108	STORMWATER MANAGEMENT BUDGET	DOL	1																					
205-12616	STOMWATER MANAGEMENT IMPLEMENTATION	LSUM	1																					
207-08264	SUBGRADE TREATMENT TYPE II	SYS	180	0	0	0	40	0	0	25	0	8	9	14	0	0	0	16	12	9	0	0	47	0
211-09266	STRUCTURAL BACKFILL TYPE 3	CYS	15	0	0	0	5	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	5	0
214-11796	GEOGRID TYPE IB	SYS	180	0	0	0	40	0	0	25	0	8	9	14	0	0	0	16	12	9	0	0	47	0
301-12233	COMPACTED AGGREGATE NO. 8	CYS	5	0	0	1	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0
302-07455	DENSE GRADED SUBBASE	CYS	30	0	0.0	0.0	6.7	0.0	0.0	4.2	0.0	1.3	1.5	2.3	0.0	0.0	0.0	2.7	2.0	1.5	0.0	0.0	7.8	0.
303-01180	COMPACTED AGGREGATE NO 53	TON	107	6.4	3.8	1.3	10.9	9.1	2.7	3.4	11.7	8.0	2.8	3.5	3.5	3.7	4.1	4.3	7.4	3.5	3.5	3.7	6.3	2.
304-12624	HMA PATCHING PARTIAL DEPTH TYPE B	TON	19	1.2	0.2	0.4	3.9	0.6	0.4	0.0	1.6	0.9	0.7	0.0	0.7	1.1	0.7	0.2	1.4	0.8	0.9	0.8	2.0	0.
305-07464	PCC BASE PATCHING, 9 IN.	SYS	229	14	2	5	47	7	5	0.0	19	11	Q. /	0.0	9	13	Q.,,	3	17	10	11	10	24	6
306-08599	MILLING, ASPHALT, 1/2 IN.	SYS	124	0	0	12	0	24	0	0	25	0	0	0	0	0	0	1 0	0	0	33	30	0	0
401-10258	JOINT ADHESIVE, SURFACE	LFT	1033	66	13	28	108	35	25	0	89	52	37	0	44	58	37	12	81	47	95	66	110	30
406-05521	ASPHALT FOR TACK COAT		346	1000		17	40		23	0	44		37	0	0		0	12	17		44	40		50
		SYS		14	2	1/		31	5	7		11	8		9	13	8	3		10	44		24	- 6
604-06070	SIDEWALK CONCRETE	SYS	245	22	14	3	29	42	10	1	28	14	5	10	16	0	8	14	26	6	4	0	0	3
604-08086	CURB RAMP CONCRETE	SYS	245	7.3	3.7	3.1	21	0	2.6	8.6	26	23	8	6	16	17	11	6	8	10	12	17	29	10
604-12083	DETECTABLE WARNING SURFACES	SYS	24.2	2.2	1.1	0	0	0	0	0	0	0	0	0	2.3	3.1	2	0	0	0	2.9	3.1	4.6	2.9
605-06120	CURB CONCRETE	LFT	1008	88	18	30	40	43	19	43	85	63	30	23	41	50	32	29	75	45	52	47	130	25
605-06121	CURB CONCRETE B	LFT	40	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
605-06155	CURB AND GUTTER, CONCRETE, MODIFIED	LFT	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
610-07487	HMA FOR APPROACHES TYPE B	TON	17.2	0	0	2	0	3.3	0	0	3,3	0	0	0	0	0	0	0	0	0	4.5	4.1	0	0
610-09108	PCCP FOR APPROACHES 9 IN	SYS	180	0	0	0	40	0	0	25	0	8	9	14	0	0	0	16	12	9	0	0	47	0
621-06570	TOPSOIL	CYS	45	6.0	0.6	0.0	9.0	0.0	2.0	1.7	2.0	1.1	0.2	0.9	3.0	4.5	0.7	0.9	0.0	0.0	9.0	0.7	2.5	0.7
621-06575	SODDING NURSERY	SYS	186	54	2	0	27	0	7	15	0	0	2	8	7	12	6	8	0	0	19	6	7	6
621-98038	MULCH HARDWOOD SHREDDED BARK	CYS	7	0	3	0	0	0	0	0	2	1.1	0	0	0	0.5	0	0	0	0	0	0	0	0
702-90915	CONCRETE CLASS A	CYS	3	0	0	0	0.5	0	0	0	0	0	0	0	0.5	0.5	0.5	0	0	0	0	0	0.5	0
715-05148	PIPE, TYPE 2 CIRCULAR 10 IN.	LFT	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715-05149	PIPE, TYPE 2 CIRCULAR 12 IN.	LFT	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
720-12798	CASTING MANHOLE, ADJUST TO GRADE	EACH	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
720-04682	INLET, R, WITH BICYCLE SAFE GUTTER GRATE	EACH	3	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
720-04082	TRENCH DRAIN, 8 IN.	LFT	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
720-07303	TRENCH DRAIN, 6 IN.	LF1	U	0		0	- 0	U	0	U	U	U	- 0	- 0	U	0	0	- 0	U		U	0	0	0
720-01894	CASTING, FURNISH AND ADJUST TO GRADE, CLEANOUT	EACH	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720-45045	INLET J10	EACH	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720-94840	CASTING WATER VALVE ADJUST TO GRADE	EACH	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
801-06775	MAINTAINING TRAFFIC	LSUM	1																					
302-05704	SIGN POST SQ 1 UNREINFORCED ANCHOR BASE	LFT	96	0	0	0	12	0	0	0	12	0	0	0	0	0	24	12	0	0	12	12	12	0
802-07060	SIGN SHEET RELOCATE	EACH	17	0	0	0	2	0	0	0	1	0	0	0	0	0	7	2	0	0	1	2	2	0
	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK			105.			9.	3-1	E S					. 9		.2.	5	100		2			1	
808-05929	LINE, WHITE, 8 IN	LFT	43	0	0_	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0
308-12448	CURB PAINTING	LFT	291	40	4	8	47	19	14	8	7	22	18	8	15	18	29	6	0	0	20	0	8	

								S 1	RUCTURE	DATA							
									FLOWL	INE							
STRUCTURE NUMBER	LOCATION / INTERSECTION	SIZE	PIPE TYPE	PIPE MATERIAL	MANHOLE, CATCH BASIN, INLET, OR SPECIALTY STRUCTURE	LENGTH	SLOPE	COVER	UP STREAM	DOWN STREAM	CASTING	SITE DESIGNATION	BACKFILL METHOD	STRUCT. BACKFILL TYPE 3	CONCRETE, CLASS A, FOR STRUCTURES	CONNECT TO STR.	REMARKS
		IN				FT	%	FT	ELEV.	ELEV.	ELEV.			CYS	CYS		
102	4th St / Alley btw. Madison and B-Line	10	2	PVC	INLET J-10	10	1.00%	~0.6	96.45	96.35	98.61	NON	1	5.0	0.5	Existing Pipe	
103	Grant St / 9th St - SW Corner	NA	NA	NA	INLET, R with Bicycle Safe Casting	NA	NA	NA	NA	NA	97.66 (Existing)	NA	NA	2.0	0.5	Existing Inlet	Bicycle-safe / Gutter Grate Only
104	Grant St / 9th St - NW Corner	NA	NA	NA	INLET, R with Bicycle Safe Casting	NA	NA	NA	NA	NA	97.66 (Existing)	NA	NA	2.0	0.5	Existing Inlet	Bicycle-safe / Gutter Grate Only
105	Grant St / 9th St - SE Corner	NA	NA	NA	Remove Inlet	NA	NA	NA	NA	NA	NA	NA	NA	1.0	0.5	Existing Inlet	
106	10th St / Alley btw. Walnut and Wash.	8	NA	NA	TRENCH DRAIN	5.2	TBD	NA	Existing TBD	98.30	99.01 to 98.94	NON	NA	0.0	0	Downspout to Curb Face	ADA Compliant Grate required
108	10th St / Dunn St - NE Corner	12	2	HDPE	INLET, R with Bicycle Safe Casting	14	0.71%	~0.75	85.05	84.95	87.47	NON	1	5.0	0.5	Existing Pipe	Bicycle-safe / Gutter Grate Only

PAY TOTALS 15 2.5 CYS **PAY UNITS** CYS

No. 19300092	RECOMMENDED FOR APPROVAL	B Nist	N DESIGN ENGINEER	07-04-2022 DAT E
STATE OF CHILD	DESIGNED:	BR	DRAWN:	RBA
SIONAL ENGLISH	CHECKED:	MT	CHECKED:	BR

INDIANA DEPARTMENT OF TRANSPORTATION	H
MISCELLANEOUS SUMMARY OF QUANTITIES TABLE	

HORIZONTAL SCALE							
N/A							
VERTICAL SCALE	DESIGNATION						
N/A	1900403						
SURVEY BOOK	SHEETS						
	22	of	22				
CONTRACT	PROJECT						
R-41896	1900403						
-	·						