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CHATTANOOGA
DEPARTMENT OF TRANSPORTATION

HAMILTON COUNTY
CHESTNUT ST. FROM W 4TH ST TO NORTH OF
AQUARIUM WAY &
BAILEY AVE. FROM EAST OF NORFOLK
SOUTHERN R/R TO DODDS AVE.
RESURFACING
FINAL CONSTRUCTION PLANS

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION	SIGNIFICANT	
PER FHWA (FORM A)	YES	NO X
PER TDOT (FORM B)	YES	NO X

TENN.	YEAR	SHEET NO.
	2019	1
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

TRAFFIC DATA

ADT (2017)	- 11,738
CURRENT POSTED SPEED	- 35
NEW POSTED SPEED	- 30

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE CDOT ENGINEER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

CHATTANOOGA
DESIGNER DEPARTMENT OF TRANSPORTATION (CDOT)

PIN NO. 119814.00

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
DESIGN / ENGINEERING DIVISION
1250 MARKET ST., SUITE 3000
CHATTANOOGA, TN 37402



PROJECT LOCATION

END REPAVING STA. 11+45.60
N 263599.8382
E 2176775.7438

BEGIN STRIPING PROJECT:
@ CENTRAL AVE
STA. 143+97.22
N 257918.9158
E 2180427.9128

BEGIN PAVING PROJECT:
@ THE EAST END OF BRIDGE OVERLAY.
STA. 154+45.79
N 257528.3710
E 2181400.3851



PROJECT LENGTH: 2.208± MILES

**NO EXCLUSIONS
NO EQUATIONS**

SECTIONS OF ROAD TO
BE CLOSED DURING
CONSTRUCTION

JUNCTION PROJECT:
STA. 221+84 & STA. 260+00
N 254651.0813
E 2187485.7483

END PAVING PROJECT:
BRIDGE OVER DODDS AVE.
STA. 236+56.69
N 255043.0233
E 2188807.2954

END PAVING PROJECT:
DODDS AVE,
STA. 270+63.88
N 254192.3327
E 2188527.4858

BAILEY AVE. PROJECT SITE



APPROVED: *Mark D. Heinzer*
MARK D. HEINZER, P.E. CITY TRANSPORTATION ENGINEER

DATE: April 30, 2019

CHESTNUT ST & BAILEY AVENUE RESURFACING
TITLE SHEET

SHEET
NUMBER

1

1 OF 36

TENN.	YEAR	SHEET NO.
	2019	2
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
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CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
DESIGN / ENGINEERING DIVISION
1250 MARKET ST., SUITE 3000
CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
ESTIMATED QUANTITIES**

SHEET
NUMBER

2

2 OF 36



I:\Projects\T-15-035 TIP Resurfacing - Chestnut and Bailey\Drawings\Bases\TIP Bailey - Chestnut Final 5-7-18.dwg Apr 30, 2019 - 2:28pm, Howell

ESTIMATED ROADWAY QUANTITIES				
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(12)	307-01.07	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M	TON	100
(13)	307-01.15	ASC MIX (PG64-22) (BPMLC-HM) GRADING CS	TON	150
	309-01.03	AGGREGATE CEMENT PROCESS	SY	300
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	19
(1) & (14)	411-02.10	ACS MIX(PG70-22) GRADING D	TON	3,600
(7)	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	SY	40,000
(8) & (16)	611-01.20	ADJUSTMENT OF EXISTING MANHOLES	EA	40
	611-09.01	ADJUSTMENT OF EXISTING CATCH BASINS	EA	10
	701-01.01	CONCRETE SIDEWALK (4")	S.F.	330
	701-01.02	CONCRETE SIDEWALK (6")	S.F.	270
	701-02.01	CONCRETE CURB RAMP (RETROFIT)	S.F.	17,740
	705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EA	3
	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL2	EA	1
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNNELIZING)	EA	150
	712-05.01	WARNING LIGHTS (TYPE A)	EA	10
	712-05.03	WARNING LIGHTS (TYPE C)	EA	20
	712-06	SIGNS (CONSTRUCTION)	S.F.	374
	713-02.30	FLEXIBLE TUBULAR DELINEATOR	EA	12
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
(10)	713-16.05	RAILROAD CROSS-BUCK SIGN AND SUPPORT	EA	2
(11)	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EA	3
	713-16.21	Sign (Right Turning Vehicle Yield to Pedestrian / Bike R10-15R(Mod1))	EA	26
	713-16.22	Sign (Bike Lane Symbol R3-17)	EA	4
	713-16.23	Sign (Do Not Enter R5-1)	EA	1
	713-16.24	Sign (Stop R1-1)	EA	1
	713-16.25	Sign (Arrow W16-7pl)	EA	5
	713-16.26	Sign (Arrow W16-7pr)	EA	2
	713-16.27	Sign (Right Lane Must Turn Right R3-7)	EA	26
	713-16.28	Sign (Pedestrian Crossing W11-2)	EA	4
	713-16.30	Sign (Yield to Pedestrian R1-5R)	EA	1
	713-16.31	Sign (Bicycle X-W11-1)	EA	3
(5)	713-16.32	Sign (NO RIGHT TURN R3-1)	EA	1
(5)	713-16.33	Sign (NO LEFT TURN R3-2)	EA	1
	713-16.34	Sign (Signal Ahead W3-3)	EA	1
	713-16.35	Sign (Parallel Railroad Crossing (crossroad) W10-2)	EA	1
	713-16.36	Sign (Do Not Stop On Tracks R8-8)	EA	1
	713-16.37	Sign (Bike Lane R3-17)	EA	4
	713-16.38	Sign (ENDS R3-17B)	EA	2
	714-14.03	MASTARM (15FT SINGLE ALUMINUM LUMINAIRE ARM)	EA	3
(9)	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	SY	2,043
(9)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	LF	486
(9)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EA	24
(9)	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	LF	1,155
(9)	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	LM	0.3
(9)	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EA	3
(9)	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EA	3
(9)	716-03.10	PLASTIC WORD MARKING (LOADING ZONE)	EA	2
(9)	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EA	2

ESTIMATED ROADWAY QUANTITIES				
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	SF	24
	716-04.13	PLASTIC PAVEMENT MARKING (BIKE LANE SYMBOL & ARROW)	EA	41
	716-04.15	PLASTIC PAVEMENT MARKING - BIKE SYMBOL/ARROW SHARED	EA	10
	716-04.21	GREEN TEXTURED BIKE LANE	SY	600
(4)	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	LM	10.2
	716-08.30	HYDROBLAST REMOVAL OF PAVEMENT MARKING (4" LINE)	LM	0.8
(9)	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	LM	10.2
(9)	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	LM	4.7
(9)	716-13.03	SPRAY THERMO PVMT MRKNG (60 mil) (8IN BARRIER LINE)	LF	1,161
(9)	716-13.04	SPRAY THERMO PVMT MRKNG (60 mil) (4IN DOTTED LINE)	LF	250
(9)	716-13.05	SPRAY THERMO PVMT MRKNG (60 mil) (6IN DOTTED LINE)	LF	860
	717-01	MOBILIZATION	LS	1
	725-03.28	RAILROAD FLAGMAN	DAY	3
	725-20.95	CAMERA COMMUNICATION AND POWER CABLE	LF	1,700
(2)	730-01.01	REMOVE & RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
	730-08.04	SIGNAL CABLE - 9 CONDUCTOR	LF	5,500
	730-13.08	VEHICLE DETECTOR (VIDEO)	EA	7
	730-26.05	COUNTDOWN PEDESTRIAN SIGNAL	EA	8
	730-26.11	COUNTDOWN PEDESTRIAN SIGNAL HEAD W/AUDIBLE PUSH BUTTON & 15IN SIGN	EA	2
	920-10.01	PREFORMED PLASTIC PAVEMENT MARKING (GREEN)	SF	7,729
(16)	920-10.04	LOWERING OF EXISTING MANHOLES PRIOR TO MILLING	EA	25
(15)	920-10.05	RAISED GRASS MEDIAN WITH CONCRETE CURB	LS	1
	920-11	SPRAY THERMOPLASTIC PAVEMENT MARKING (60mil) (8" DOTTED LINE)	LF	352
	920-11.01	COMPLETE IN-PLACE BRICK PAVERS IN CURB RAMPS	SF	220
(16)	920-11.04	PROCUREMENT, TRANSPORTATION, AND INSTALLATION OF MANHOLES, MANHOLE LIDS, AND FRAMES - (COMPLETE-IN-PLACE)(LIDS & FRAMES SUPPLIED BY THE CITY)	EA	10
(6)	920-12	PREFORMED PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	LF	2,680
(17)	920-12.01	TRUNCATED DOME PAVERS	SF	400
	920-12.04	PREFORMED PLASTIC PAVEMENT MARKING (BIKE SYMBOL w/GREEN CONTRAST)	EA	51
(3)	920-13	6"x6" Concrete Header curb	LF	550
	920-13.04	PREFORMED PLASTIC PAVEMENT MARKING (ARROW w/GREEN CONTRAST)	EA	49
	920-14.04	PREFORMED PLASTIC PAVEMENT MARKING (BIKE TWO STAGED LEFT TURN)	EA	1

FOOTNOTES:

- (1) Includes 200 tons for streets and driveway tie-ins
- (2) At Bailey Ave. & McCallie Ave light #3 called out on sheet 35
- (3) Per City Standards SD-201.01
- (4) Reflectorized Temporary Striping
- (5) LED (BLANK OUTS)
- (6) 2' with 6' spacing (White)
- (7) 1 1/2 inches typical depth
- (8) Sanitary sewer (UP TO 8" OF ADJUSTMENT)
- (9) The contractor may elect to substitute preformed plastic for thermoplastic. Preformed plastic shall be paid for at the same unit price as bid for thermoplastic
- (10) R-15-1
- (11) W10-1
- (12) 4- to 8-inch Base Repairs (1/2-inch Nominal Aggregate Size WMA JMF Complete-In-Place) (Binder-mix) including tack coat as required
- (13) 3 1/2" Asphalt Binder Course Mix Design (1/2-inch Nominal Aggregate Size WMA JMF Complete-In-Place) ("C" -mix) including tack coat as required
- (14) Asphalt Surfacing (3/8-inch Nominal Aggregate Size WMA JMF In-Place) (Grading "D"-mix, PG70-22) INCLUDING TACK COAT
- (15) Detail on sheet 21
- (16) NON-PARTICIPATING
- (17) Federal yellow color

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CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

STANDARD ROADWAY DRAWINGS

DWG.#	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-3	03-16-17	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	07-16-18	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING

MULTIMODAL		
MM-CR-1		DETECTABLE WARNING SURFACE PLACEMENT ON CURB RAMPS (Replaced RP-H-3)
MM-CR-2		PERPENDICULAR CURB RAMP (Replaced MM-CR-2)
MM-CR-3		PARALLEL CURB RAMP (Replaced MM-CR-3)
MM-CR-4		PEDESTRIAN REFUGE (Replaced RP-H-6)
MM-CR-5		SINGLE CROSSING CURB RAMP IN CURVE (Replaced MM-CR-5)
MM-CR-6		DUAL CROSSING CURB RAMP PLACED OUTSIDE CURVE (Replaced RP-H-8)
MM-CR-7		CURB RAMPS IN CURVE BI-DIRECTIONAL DUAL CROSSING (Replaced MM-CR-7)
MM-CR-8		MONO-DIRECTIONAL SINGLE CROSSWALK CURB RAMP DETAILS (Replaced MM-CR-8)
MM-CR-9		ALTERNATIVE CURB RAMP DETAILS (Replaced RP-H-11)

SAFETY DESIGN AND FENCES		
S-GR31-1	03-28-17	W-BEAM GUARDRAIL
S-GR31-1A		W-BEAM BARRIER FASTENING HARDWARE
S-GRS-1	03-28-17	SPECIAL CASE LONG SPAN GUARDRAIL ONE POST OMITTED
S-GRS-2	07-05-17	SPECIAL CASE: GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRS-3	03-28-17	SPECIAL CASE: GUARDRAIL FOOTING
S-GRS-4	03-16-17	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRC-1	10-10-16	GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRC-2	10-10-16	GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOCAL ROADS (ADT < 2000)
S-GRC-3	10-10-16	MEDIAN DIVIDER GUARDRAIL TRANSITION TO CONCRETE MEDIAN BARRIER
S-GRT-1	03-16-17	TYPE 12 GUARDRAIL TERMINAL BURIED-IN-BACKSLOPE
S-GRT-2	03-28-17	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P	07-05-17	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-2R	07-05-17	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRT-3	03-28-17	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-1	10-10-16	TYPE 12 GUARDRAIL ANCHOR
S-GRA-1A		GUARDRAIL ANCHOR FOR TYPE 12 TERMINAL (ALTERNATIVE)
S-GRA-3	07-05-17	TYPE 13 GUARDRAIL ANCHOR
S-GRA-4	07-05-17	IN-LINE GUARDRAIL ANCHOR
S-GRA-5	03-28-17	FLARED GUARDRAIL ANCHOR

DESIGN - TRAFFIC CONTROL		
T-M-1	07-05-17	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	08-02-18	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-11	08-02-18	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES OR ROUTES
T-M-12	01-30-15	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES ON URBAN ROADWAYS
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
T-M-14	11-01-11	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS

STANDARD ROADWAY DRAWINGS

DWG.#	REV.	DESCRIPTION
DESIGN - TRAFFIC CONTROL		
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-WZ-21	03-05-17	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-34	09-01-05	TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-36	03-05-17	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-05-17	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-55	10-10-16	SIDEWALK TRAFFIC CONTROL

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
SIGNS		
T-S-6	02-12-91	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-12	07-10-17	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	07-20-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, I-BEAMS
T-S-14	08-17-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS
T-S-15	12-07-90	STANDARD CONDUIT & GROUND DETAILS FOR OVERHEAD & CANTILEVER SIGN STRUCTURES
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-11-17	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-11-17	SIGN DETAILS
T-S-23A	07-11-17	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23B	07-19-13	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY STRUCTURAL PIPE SIGN SUPPORT
T-S-23C	07-02-15	BREAKAWAY POST SIGN SUPPORTS

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
SIGNALS		
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-6		PEDESTRIAN SIGNAL DETAILS
T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-11	07-12-17	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	07-12-17	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
RAILROAD CROSSING		
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD AD ACTIVE HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-2	11-01-11	STANDARD DRAWING FOR RAILROAD AND HIGHWAY CROSSING SIGNAL WITH GATE
T-RR-3	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL
T-RR-4	11-01-11	STANDARD DRAWING FOR TYPICAL CURB & GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING WITH OR WITHOUT GATES
T-RR-5	11-01-11	RAILROAD-HIGHWAY CROSSING SIGNAL TYPICAL CANTILEVER SPAN
T-RR-6	10-25-13	TYPICAL SIGNING AND MARKING AT PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS

NOTE: CONTRACTOR TO USE MOST CURRENT STANDARDS.



CHESTNUT ST & BAILEY AVENUE RESURFACING STANDARDS

SHEET NUMBER

5

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DESIGN / ENGINEERING DIVISION
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CHESTNUT ST & BAILEY AVENUE RESURFACING
GENERAL NOTES

SHEET NUMBER

6

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GENERAL NOTES

GRADING

- Any area that is disturbed outside limits of construction during the life of this project shall be repaired by the contractor at his expense.

GUARDRAIL

- The contractor shall not remove any sections of existing guardrail to rework shoulders or flatten slopes until the engineer concurs in the necessity of removal due to construction requirements and the appropriate warning devices are installed. The proposed guardrail, including any anchor system, shall be installed quickly to minimize traffic exposure to any hazard. No payment will be made for a section of proposed guardrail, including anchors, until it is complete in place.
- In any approach end of a section of a guardrail or bridge rail must temporarily be left incomplete and exposed to traffic, the contractor shall use two (2) temporary barricades or drums with type A lights and rounded end elements as minimum measures to protect traffic from the hazard of an exposed end. All cost of furnishing and installing a temporary rounded end element shall be included in the cost of the proposed guardrail end terminal.

MISCELLANEOUS

- All detour, access, service and frontage roads shall be constructed with a minimum of one (1) course of base material before traffic is interrupted on existing roads.
- Nothing in the general notes or special provisions shall relieve the contractor from his responsibilities toward the safety and convenience of the general public and the residents along the proposed construction area.

ROAD CLOSURE

- No less than seven (7) days prior to the closure of the road, the contractor shall notify the following individuals or agencies completely describing the affected roads and the approximate duration of the construction: (These parties include, but are not limited to: (1) Local law enforcement office, (2) Local fire department, (3) Ambulance service, (4) Local school superintendent, (5) United states postal service, and (6) Local road superintendent.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- Temporary pavement line markings on intermediate layers of pavement shall be reflective tape or reflectorized paint installed to permanent standards at the end of each days work. Short, unmarked sections shall not be allowed. These markings will be measured and paid for under Item NO. 716-05.01, painted pavement marking (4" line), I.m.

FINAL PAVEMENT MARKING

- Permanent pavement line markings shall be 4" spray thermoplastic (60 mil) installed to permanent standards at the end of each day's work. Short unmarked sections shall not be allowed. Pavement markings will be measured and paid for under Item NO. 716-13.01, Spray thermo pvmt mrkng (60 mil) (4in line), I.m. The contractor shall have the option of using reflectorized paint installed to permanent standards at the end of each day's work and then installing the permanent markings after the paving operation is completed. The temporary markings for the final surface will not be measured and paid for directly, but the costs are to be included in the price bid for the permanent markings.
- Permanent pavement line markings shall be 6" spray thermoplastic (60 mil) installed to permanent standards at the end of each day's work. Short unmarked sections shall not be allowed. Pavement markings will be measured and paid for under Item NO. 716-13.02, Spray thermo pvmt mrkng (60 mil) (6in line), I.m. The contractor shall have the option of using reflectorized paint installed to permanent standards at the end of each day's work and then installing the permanent markings after the paving operation is completed. The temporary markings for the final surface will not be measured and paid for directly, but the costs are to be included in the price bid for the permanent markings.
- Permanent pavement line markings shall be 8" spray thermoplastic (60 mil) installed to permanent standards at the end of each day's work. Short unmarked sections shall not be allowed. Pavement markings will be measured and paid for under Item NO. 716-13.03, Spray thermo pvmt mrkng (60 mil) (8in barrier line), I.f. The contractor shall have the option of using reflectorized paint installed to permanent standards at the end of each day's work and then installing the permanent markings after the paving operation is completed. The temporary markings for the final surface will not be measured and paid for directly, but the costs are to be included in the price bid for the permanent markings.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

- The pavement marking on the lane shift for centerline & lane lines will be installed and maintained to the same standards as for permanent markings on the main roadway. These markings shall be in place prior to allowing traffic onto the pavement. These pavement markings will be measured and paid for under Item NO.716-05.01, I.m.
- Before opening the lane shift to traffic, the transitional markings on the existing roadway must be in place. All existing markings in the area of these transitional markings shall be obliterated and all existing raised pavement markers shall be removed to eliminate conflicting markings. Removal of the existing conflicting markings and raised pavement markers will not be measured and paid for directly, but the cost will be included in Item NO. 712-01, traffic control, lump sum.

PAVEMENT

PAVING

- The contractor shall be required to pave in the direction of traffic.
- The contractor shall be required to cold plane and pave in the direction of traffic.

RESURFACING

- Where directed by the engineer, the contractor shall be required to shape public side roads, business entrances, and private drives, as well as cleaning of existing drains before placing materials. All costs are to be included in the price bid for other items of construction.
- All public side roads shall be paved one paver width through the intersection as a minimum. A satisfactory transition from the new pavement to the existing grade of the intersecting public road or business entrance shall be provided. Should the pavement of the intersecting public road be distressed, the resurfacing width may be increased to the normal right of way line.
- Private driveways, field entrances, and business entrances will be resurfaced a paver width (lane width) as a minimum. A pavement taper to transition the new pavement shall be required, it shall be based on an additional one foot of width per one inch depth of pavement. If the shoulder is narrow enough that the sum of the shoulder and the transition are less than a paver width, the transition shall occur within the paver width. If the sum of the shoulder and the transition is greater than a paver width (lane width), the transition shall occur outside of the paver width.
- On curb and gutter sections, public road intersections shall be resurfaced to the end of radius. A satisfactory transition from the new pavement to the existing grade of the intersecting public road shall be provided.

- On urban typical sections, (curb and gutter), residential driveways and business entrances shall have a minimum width of material not less than one foot used in the transition to feather the pavement edge.
- In all cases, the length of the pavement transition, the thickness and width of the resurfacing and any additional pavement materials shall be as directed by City of Chattanooga Transportation Engineer.

SIGNING

- the letters, digits, arrows, borders, and alphabet accessories on all flat sheet signs shall be applied by silk screening process, except that cutout direct applied copy shall be used on all flat sheet signs with a green background. The letters, digits, arrows, borders, and alphabet accessories on all extruded panel signs shall be demountable and attached to the sign face, as outlined in the standard specifications. All shields on guide signs shall be demountable and attached to the sign face as outlined in the standard specifications.
- The lengths of all sign supports shown on the sign schedule are approximate and are for estimating purposes only. The lengths were computed from the cross-sections contained in the construction plans. In the event the support lengths are 2 feet shorter or longer than shown on the plans, the engineer shall verify the support type with the CDOT traffic operations division, signing section, telephone #(423)-643-5955. The contractor shall verify all support lengths at the site prior to ordering material.
- The top of the sign footings shall be placed level with the ground line.
- After the sign locations have been staked, but prior to ordering any material for the supports, there shall be a field inspection and approval by CDOT.
- The contractor shall be required to furnish layout drawings (3 sets) of all extruded panel signs with spacing of all letters, numerals, shields, and arrows. the layout drawings shall be sent to the CDOT 1250 Market St, Suite 3030 Chattanooga, TN 37402.
- All signs marked "TO BE REMOVED" are to be removed by the contractor and paid for under item 713-15 and become the property of the contractor.
- The existing footings are to be removed 6 inches below ground line.
- The letters, digits, arrows, borders, and alphabet accessories on all flat sheet signs shall be applied by silk screening process, except that cut-out direct applied copy shall be used on all flat sheet signs with a green background, or brown background.
- The lengths of all sign supports shown on the sign schedule are approximate and are for estimating purposes only. The contractor shall verify all support lengths at the site prior to erection.
- The letters, digits, arrows, borders, and alphabet accessories on all flat sheet signs shall be applied by silk screening process.

TRAFFIC CONTROL DIRECTIONAL SIGNING

- When existing "TOURIST ORIENTED DIRECTIONAL SIGNS" (TODS) are on non-access controlled construction projects, the contractor shall be responsible for keeping these signs in full view to the motoring public during all phases of construction. All work in moving these "TODS" and temporary supports are to be paid for under Item NO.712.01, as directed by the engineer. New supports and sign face for final location will be paid for under other items of construction.

SIGNALIZATION

- Equipment and installation of traffic signals shall comply with TDOT standard specifications, Section 730.
- Equipment and installation shall comply with the TDOT "SPECIAL PROVISIONS REGARDING SECTION 730C-TRAFFIC SIGNALS."
- Salvageable equipment shall become the property of the City and shall be stockpiled at a location designated by the Engineer for pickup by the City.
- Any signal heads, when visible to drivers but not operational, shall be completely covered.
- The contractor shall contact City of Chattanooga Department of Transportation Engineer a minimum of thirty (30) days prior to activation of the signal to obtain the initial signal timings.
- The project engineer shall notify the local governmental agency responsible for traffic control maintenance at least one day in advance of the cold planing activity at signalized intersections where detector loops are on the pavement. The maintaining agency will then be responsible for disconnecting the loop detectors and making any necessary timing adjustments in the signal controller prior to the construction.
- The project engineer shall be responsible for supplying the contractor with as built signal plans at the pre-construction conference. These plans will provide the contractor with the desired location for detector loop replacement.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- Advanced warning signs shall not be displayed more than forty-eight (48) hours before physical construction begins. Signs may be erected up to one week before needed, if the sign face is fully covered.
- If the contractor moves off the project, he shall cover or remove all unneeded signs as directed by the Engineer. Costs of removal, covering, and reinstalling signs shall not be measured and paid for separately, but all costs shall be included in the original unit price bid for Item NO 712-06, signs (construction) per square foot.
- A long term but sporadic use warning sign, such as a flagger sign, may remain in place when not required provided the sign face is fully covered.
- Traffic control devices shall not be displayed or erected unless related conditions are present necessitating warning.
- Use of barricades, portable barrier rails, vertical panels, and drums shall be limited to the immediate areas of construction where a hazard is present. These devices shall not be stored along the roadway within thirty (30) feet of the edge of the traveled way before or after use unless protected by guardrail, bridge rail, and/or barriers installed for other purposes for roadways with current ADT'S less than 1500 and design speed of less than 60 MPH. This distance shall increase to forty-five (45) feet for roadways with current ADT'S of 1500 or greater and design speed of 60 MPH or greater or on the outside of a horizontal curve. These devices shall be removed from the construction work zone when the Engineer determines they are no longer needed. Where there is insufficient RIGHT-OF-WAY to provide for this required setback, The contractor shall determine the alternate locations and request the Engineer's approval to use them.

- The contractor shall not be permitted to park any vehicles or construction equipment during periods of inactivity, within thirty (30) feet of the edge of pavement when the lane is open to traffic unless protected by guardrail, bridge rail, and/or barriers installed for other purposes for roadways with current ADT'S less than 1500 and design speed of less than 60 MPH. This distance shall be increased to forty-five (45) feet for roadways with current ADT'S of 1500 or greater and design speed of 60 MPH or greater or on the outside of a horizontal curve. Privately owned vehicles shall not be allowed to park within thirty (30) feet of an open traffic lane at any time unless protected as described above for roadways with current ADT'S less than 1500 and design speed of less than 60 MPH. This distance shall be increased to forty-five (45) feet for roadways with current ADT'S of 1500 or greater and design speed of 60 MPH or greater or on the outside of a horizontal curve. Where there is insufficient RIGHT-OF-WAY to provide for this required setback, the contractor shall determine the alternate locations and request the Engineer's approval to use them.
- All detour and construction signing shall be in strict accordance with the manual on uniform traffic control devices.
- All detours shall be paved, striped, signed and the vertical panels are to be in place before it is opened to traffic.
- All signs which interfere with construction will be relocated outside limits of construction by the contractor. Upon completion of construction, the contractor will restore the signs to original location. Cost to be included in item no. 105-01. The contractor shall check with the CDOT City Transportation Engineer, prior to moving any permanent signs.

EROSION PREVENTION AND SEDIMENT CONTROL

DISTURBED AREA

- If disturbed acreage is equal to one acre or more, please contact CDOT as soon as possible because an NPDES permit will be required.

SEDIMENT CONTROL

- EPSC measures shall be installed and functional prior to any earth moving operations, and shall be maintained throughout the construction period except as such work may be necessary to install EPSC measures.
- The contractor shall establish and maintain a proactive method to prevent the offsite migration or deposit of sediment off the project limits (E.G. R.O.W., Easements, ETC.), into waters of the State/U.S., or onto roadways used by the general public. If sediment escapes the construction site, offsite accumulations of sediment that have not reached a stream must be removed at a frequency sufficient to minimize offsite impacts (E.G., fugitive sediment that has escaped the construction site and has collected in a street must be removed so that it is not subsequently washed into storm sewers and streams by the next rain and/or so that it does not pose a safety hazard to users of public streets). Arrangements concerning removal of sediment on adjoining property must be negotiated with the adjoining property owner before removal of sediment.

NATURAL RESOURCES

- The operation of equipment in waters of the State/U.S., including wetlands and ephemeral, intermittent, and perennial streams, is not allowed.
- The contractor shall take appropriate steps prior to any construction and maintenance activities to ensure that environmental features (e.g., streams, wetlands, springs, etc.) are not impacted beyond permitted locations. If the contractor or CDOT inspector is unsure of the identity of an environmental feature, the inspector shall contact the City of Chattanooga Land Development Office 423-643-5800 immediately.

SPECIES

- Should cliff swallow or barn swallow nests, eggs, or birds (young and adults) be present, the contractor shall contact the local U.S. Fish & Wildlife Service Office to determine if seasonal restrictions will be necessary. Generally, birds, nests, and eggs may not be disturbed between April 15 and July 31. From August 1 to April 14, nests can be removed or destroyed so long as birds or eggs are not present, and measures implemented to prevent future nest building at the site (I.E., closing off area using netting).
- If the removal of any trees with a diameter at breast height (DBH) greater than 3 inches is deemed necessary the engineer shall contact the local U.S. Fish & Wildlife Service Office prior to removal of any trees.

PERMITS, PLANS & RECORDS

- If a change in project scope occurs during construction, including value engineering, the CDOT shall be contacted to determine whether permit revisions are needed. The CDOT shall be contacted to determine if any plan revisions are needed.

TENN.	YEAR	SHEET NO.
	2019	7
FED. AID PROJ. NO.	STP-M-9202(115)	
CHATTANOOGA PROJ. NO.	E-09-010	
STATE PROJ. NO. (SPN):	33LPLM-F3-127	



CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

GENERAL NOTES

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

46. The contractor shall establish and maintain a proactive method to prevent litter and construction wastes from entering waters of the State/U.S. These materials shall be removed from stormwater exposure prior to anticipated storm events or before being carried offsite by wind, or otherwise prevented from becoming a pollutant source for stormwater discharges. After use, materials used for EPSC shall be removed from the site.
47. The contractor shall take appropriate steps to ensure that petroleum products or other chemical pollutants are prevented from entering waters of the State/U.S. All equipment refueling, servicing, and staging areas shall comply with all local, state, and federal laws, rules, regulations, and ordinances, including those of the national fire protection association. Appropriate containment measures for these areas shall be used.
48. Contractors shall provide designated truck washout areas on the site. These areas must be self contained, not connected to any stormwater outlet of the site, and properly signed. Wash down or waste discharge of concrete trucks shall not be permitted onsite unless proper settlement areas have been provided in accordance with both state and federal regulations.
49. Wheel wash water shall be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water shall not be discharged directly into any stormwater system or stormwater treatment system.
50. If portable sanitary facilities are provided on construction sites, sanitary waste shall be collected from the portable units in a timely manner by a licensed waste management contractor or as required by any regulations. The contractor shall obtain any and all necessary permits to dispose of sanitary waste.
51. Only construction products needed shall be stored onsite by the contractor. The contractor shall store all materials under cover and in appropriate containers. Products must be stored in original containers and labeled. Material mixing shall be conducted in accordance with the manufacturer's recommendations. The contractor's responsible party shall inspect materials storage areas regularly to ensure proper use and disposal.
52. When possible, all products shall be used completely before properly disposing of the container offsite. The manufacturer's directions for disposal of materials and containers shall be followed.
53. All paint containers shall be tightly sealed and stored when not required for use. Excess paint shall be disposed of according to the manufacturer's instructions and applicable state and local regulations.
54. All hazardous waste materials shall be disposed of in a manner which is compliant with local or state regulations. Site personnel shall be instructed in these practices, and the individual designated as the contractor's responsible party shall be responsible for seeing that these practices are followed. The contractor shall obtain any and all necessary permits to dispose of hazardous material.
55. Open burning is prohibited unless it is specifically allowed by law. If allowed, natural vegetation, trees, and untreated lumber shall be the only materials that can be open burned. The contractor shall be responsible for obtaining all applicable state and local permits prior to any burning.
56. Disposal of onsite vegetation and trees by chipping them into mulch is preferable to open burning. This mulch may be used as an onsite soil stabilization measure where appropriate. Contractor shall obtain any and all necessary permits to dispose of hazardous material.
57. Waste material (earth, rock, asphalt, concrete, etc.) not required for the construction of the project will be disposed of by the contractor. Impacts to waters of the State/U.S. shall be avoided if possible. If unavoidable, the contractor will obtain any and all necessary permits including, but not limited to NPDES, Aquatic Resources Alteration Permit(S), Corps of Engineers Section 404 Permits, and TVA Section 26A permits to dispose of waste materials

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

62. All onsite vehicles shall be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage and spills.
63. For all hazardous materials stored onsite, the manufacturer's recommended methods for spill clean up shall be clearly posted. Site personnel shall be made aware of the procedures and the locations of the information and cleanup supplies.
64. Appropriate cleanup materials and equipment shall be maintained by the contractor in the materials storage area onsite and under cover. Spill response equipment shall be inspected and maintained by the contractor as necessary to replace any materials used in spill response activities.
65. All spills shall be cleaned immediately after discovery and the materials disposed of properly. The spill area shall be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
66. The contractor's responsible party shall be the spill prevention and cleanup coordinator. The contractor is responsible for ensuring that the site superintendent has had appropriate training for hazardous materials handling, spill management, and cleanup.
67. If an oil sheen is observed on surface water (E.G. settling ponds, detention ponds, swales), action shall be taken immediately to remove the material causing the sheen. The contractor shall use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
68. Fertilizers shall be applied only in the amounts specified. Once applied, fertilizers shall be worked into the soil to limit the exposure to stormwater.
69. If a spill occurs the contractor's responsible party shall be responsible for completing the spill reporting form and for reporting the spill to the TDOT project responsible party. All spills must be reported to the appropriate agency, and measures shall be taken immediately to prevent the pollution of waters of the State/U.S., including groundwater, should a spill occur.
70. Where a release containing a hazardous substance in an amount equal to or in excess of a reportable quantity established under either 40 CFR 117 or 40 CFR 302 occurs during a 24 hour period, see the latest Tennessee general permit NO. TNR100000 stormwater discharges from construction activities section 5.1 for reporting requirements.
71. Contractor's bulk fuel and petroleum products stored onsite or adjacent to the R.O.W. in above ground storage containers with a combined capacity of 1320 gallons or more shall have secondary containment. The contractor shall be responsible for preparing a Spill Prevention Control and Countermeasure (SPCC) plan for the bulk storage and be solely responsible for obtaining any necessary local, state, and federal permits. The SPCC plan and/or permits shall be kept onsite and a copy provided to the TDOT project responsible prior to storing 1320 gallons on site.

UTILITIES

- (1) The locations of utilities shown within these plans are approximate only. Exact locations shall be determined in the field by contacting the utility companies involved. Notification by calling the TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 as required by TCA 65-31-106 will be required.
- (2) Unless otherwise noted, all utility adjustments will be performed by the utility or it's representative. The contractor and utility owners will be required to cooperate with each other in order to expedite the work required by this contract. On contracts where construction stakes, lines, and grades are contract items, the contractor will be required to provide Right-Of-Way or slope stakes, ditch or stream bed grades, or other essential survey staking to prevent conflicts with the highway construction. Frequently, this will be required as the first item of work and at any location on the project directed by the engineer.
- (3) The contractor will provide all necessary protective measures to safeguard existing utilities from damage during construction of this project. In the event that special equipment is required to work over and around the utilities, the contractor will be required to furnish such equipment. The cost of protecting utilities from damage and furnishing special equipment will be included in the price bid for other items of construction.
- (4) Prior to submitting his bid, the contractor will be solely responsible for contacting owners of all affected utilities in order to determine the extent to which utility relocations and/or adjustments will have upon the schedule of work for the project. While some work may be required 'around' utility facilities that will remain in place, other utility facilities may need to be adjusted concurrently with the contractor's operations. Advance clear cutting may be required by the engineer at any location where clearing is called for in the specifications and clear cutting is necessary for a utility relocation. Any additional cost will be included in the unit price bid for the clearing item specified in the plans.
- (5) The contractor shall notify each individual utility owner of his plan of operation in the area of the utilities. Prior to commencing work, the contractor shall contact the utility owners and request them to properly locate their respective utility on the ground. This notification shall be given at least three (3) business days prior to commencement of operations around the utility in accordance with TCA 65-31-106.

STRIPING
 Pedestrian crosswalks to align with existing ramps at all intersections.

UTILITY OWNERS							
UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TRAFFIC SIGNAL	CITY OF CHATTANOOGA DEPARTMENT OF TRANSPORTATION	423-643-5950	TOMMY TROTTER	1250 MARKET ST. STE. 3000	CHATTANOOGA	TN	37402
TELEPHONE	BELLSOUTH dba AT&T	423-266-5962	STEVE McCORMICK	300 E. M.L.K. BOULEVARD	CHATTANOOGA	TN	37403
WATER	TENNESSEE AMERICAN WATER	423-771-4713	GRADY STOUT	P.O. BOX 6338	CHATTANOOGA	TN	37401
SEWAGE	CITY OF CHATTANOOGA WASTE RESOURCES	423-757-5026	DISPATCH	455 MOCCASIN BEND ROAD	CHATTANOOGA	TN	37405
GAS	CHATTANOOGA GAS COMPANY	423-490-4289	BENNIE KINSEY	6125 PRESERVATION DRIVE	CHATTANOOGA	TN	37416
POWER	ELECTRIC POWER BOARD	423-648-1372	DAVID HENDERSON	P.O. BOX 182255	CHATTANOOGA	TN	37422
CABLE TV	COMCAST CABLE TELEVISION	423-855-4300	GEOFF SHOOK	2030 EAST POLYMER DRIVE	CHATTANOOGA	TN	37421
RAILROAD (TVRM)	TENNESSEE VALLEY RAILROAD MUSEUM	423-605-2331	GEORGE WALKER	4119 CROMWELL RD	CHATTANOOGA	TN	37421
STORMWATER	CITY OF CHATTANOOGA PUBLIC WORKS	423-643-6311		1250 MARKET ST. STE. 2000	CHATTANOOGA	TN	37402
FIRE HYDRANT	CITY OF CHATTANOOGA FIRE DEPARTMENT	423-643-5622	MICHAEL WRIGHT		CHATTANOOGA	TN	37402

CHESTNUT ST & BAILEY AVENUE RESURFACING
 GENERAL / SPECIAL NOTES

SHEET NUMBER

7

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TENN.	YEAR	SHEET NO.
	2019	8
	FED. AID PROJ. NO. STP-M-9202(115)	
	CHATTANOOGA PROJ. NO. T-15-035	
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

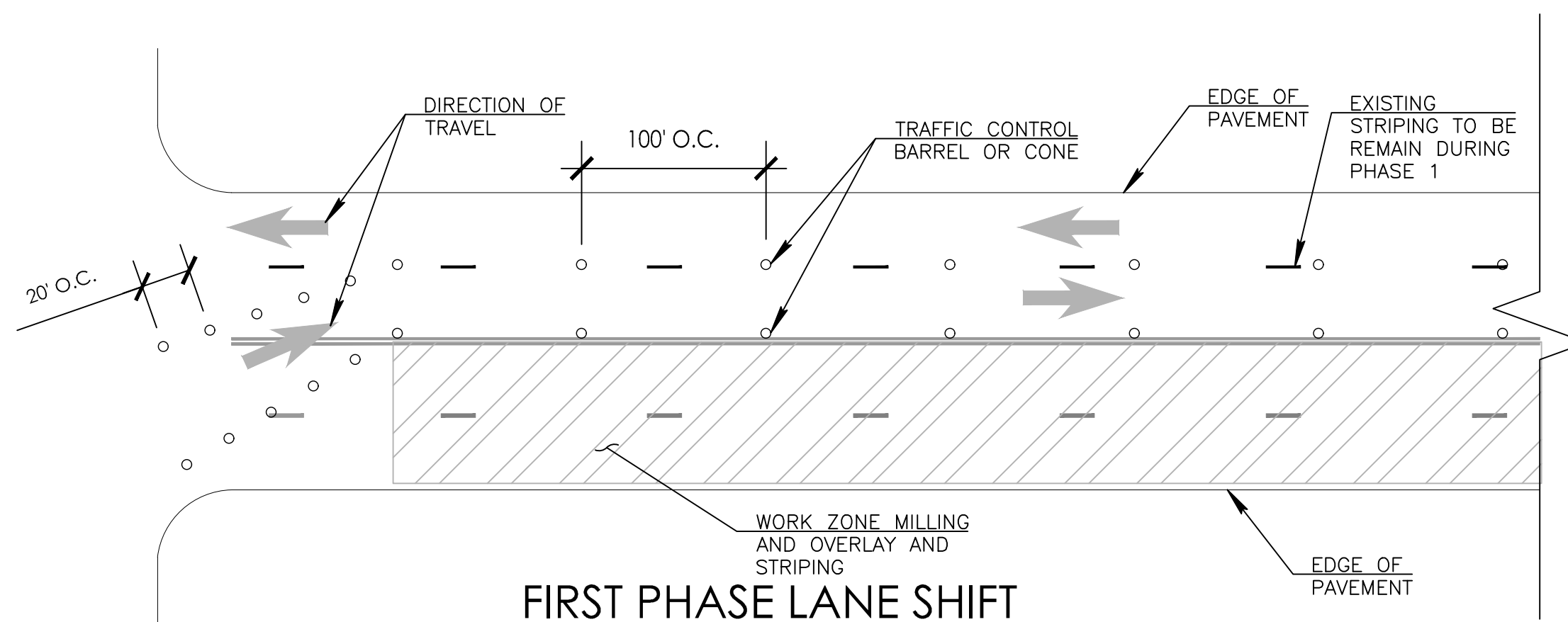
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

CHESTNUT St & BAILEY AVENUE RESURFACING
 TRAFFIC CONTROL

SHEET NUMBER

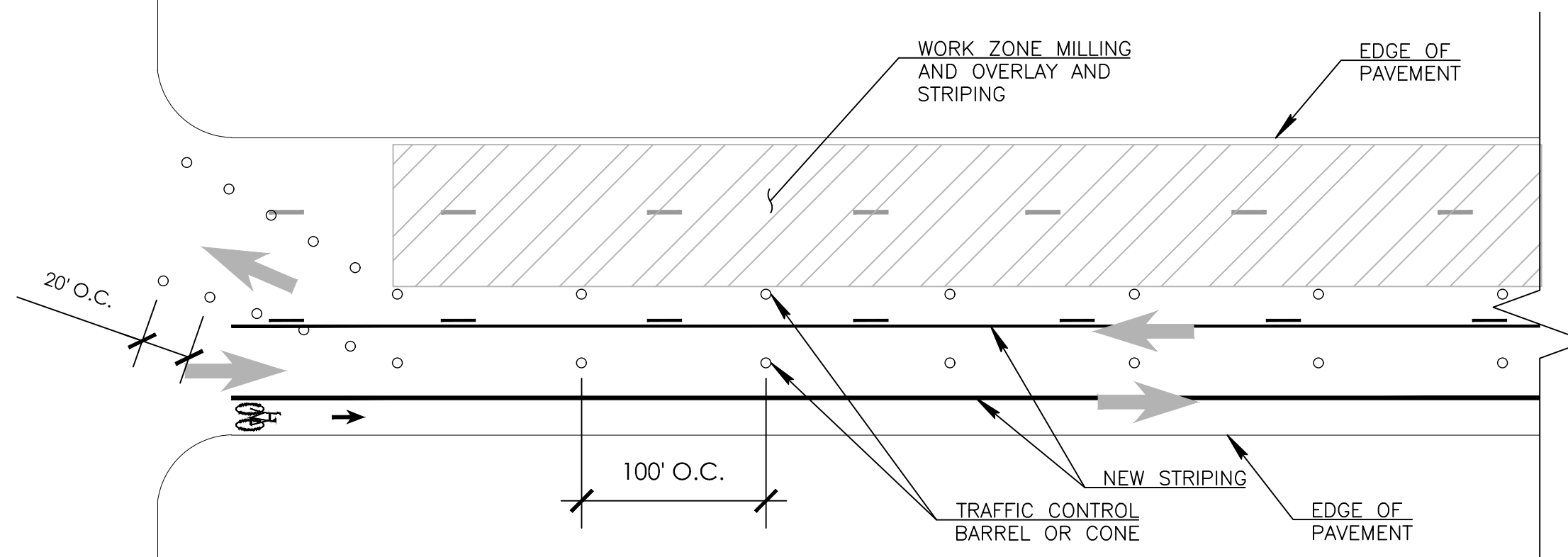
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8 OF 36



FIRST PHASE LANE SHIFT

Schedule traffic control and construction limits as determined by the contractor that can be able to complete phases 1 and 2 within one work day.



SECOND PHASE LANE SHIFT

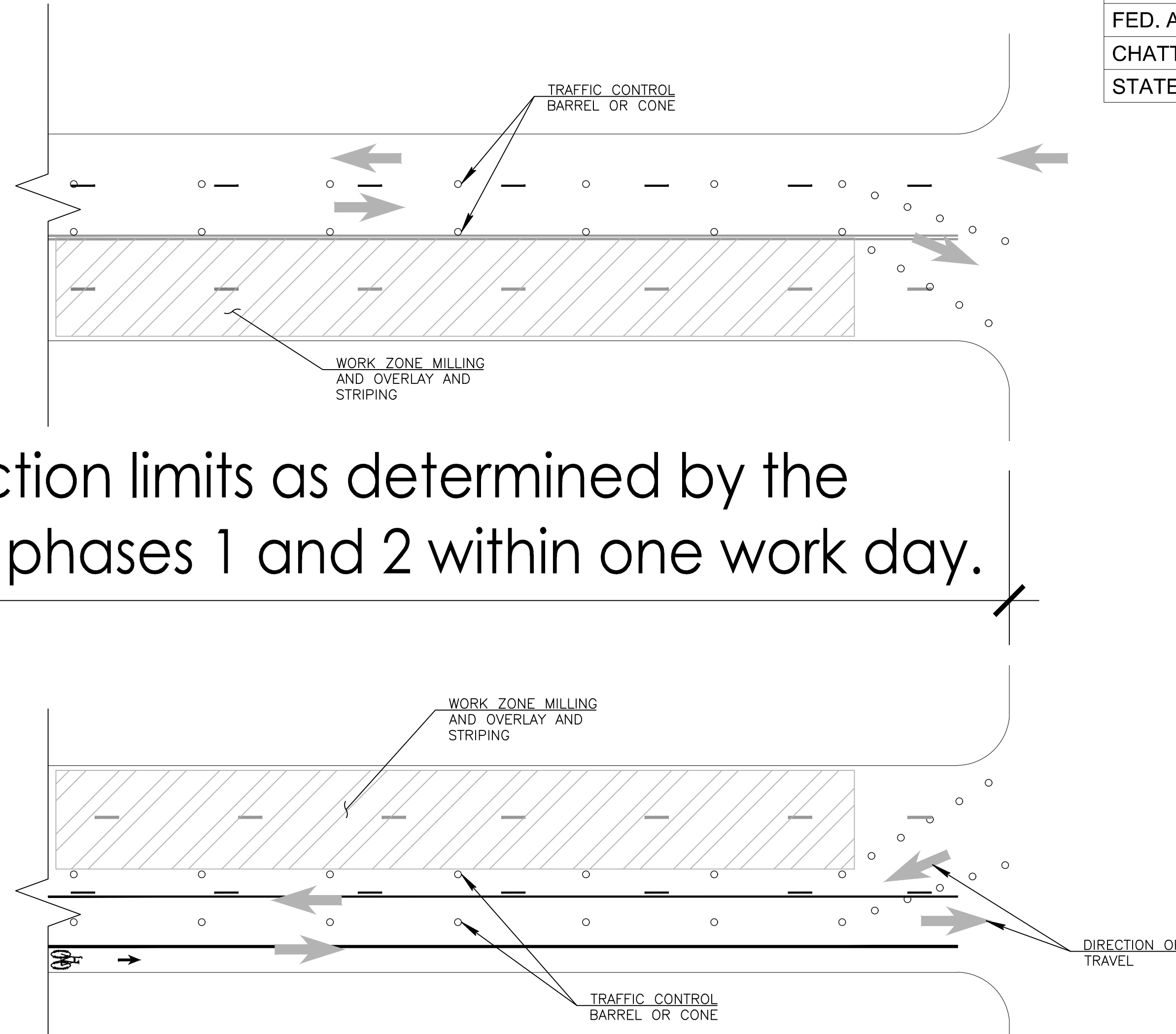
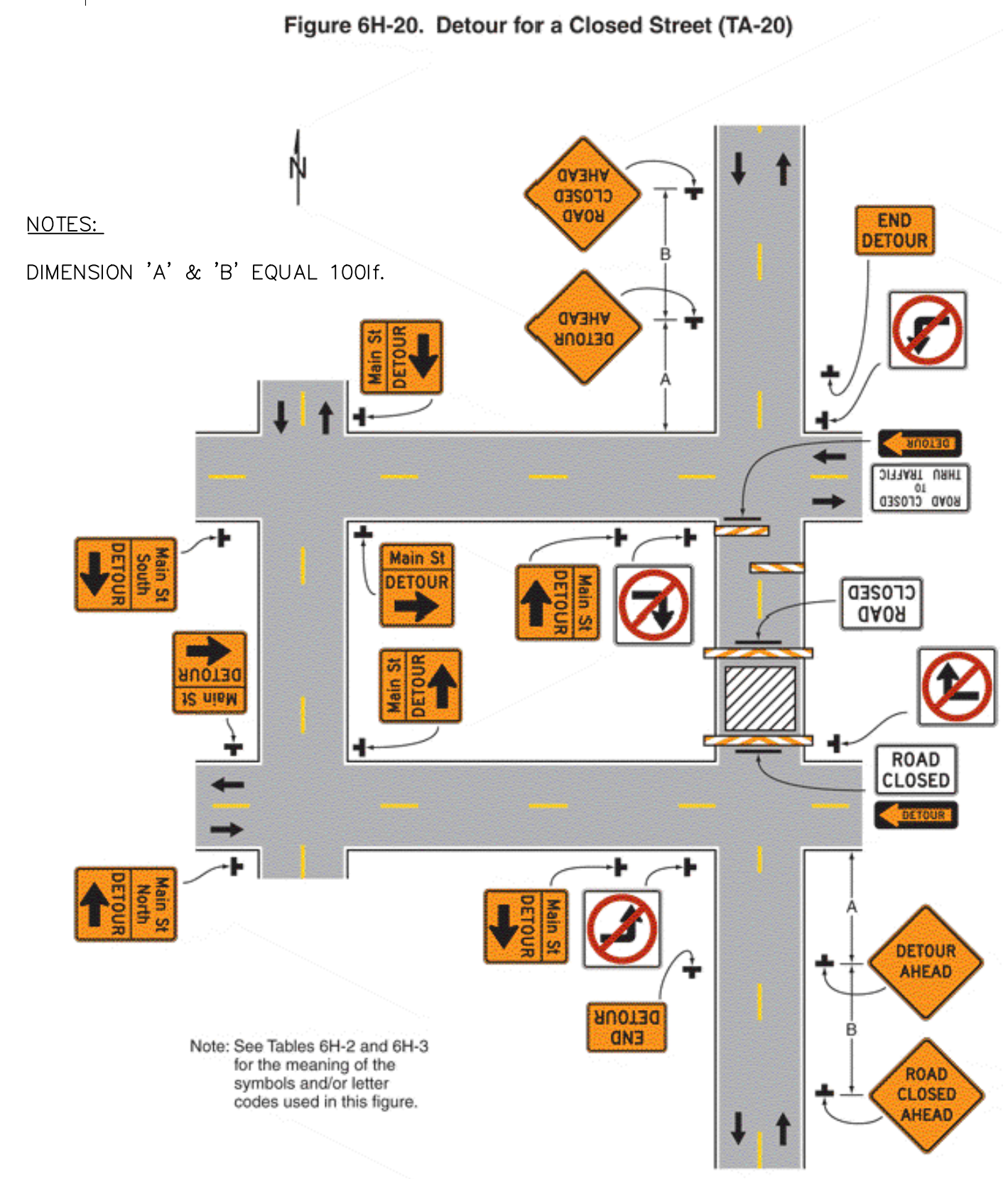
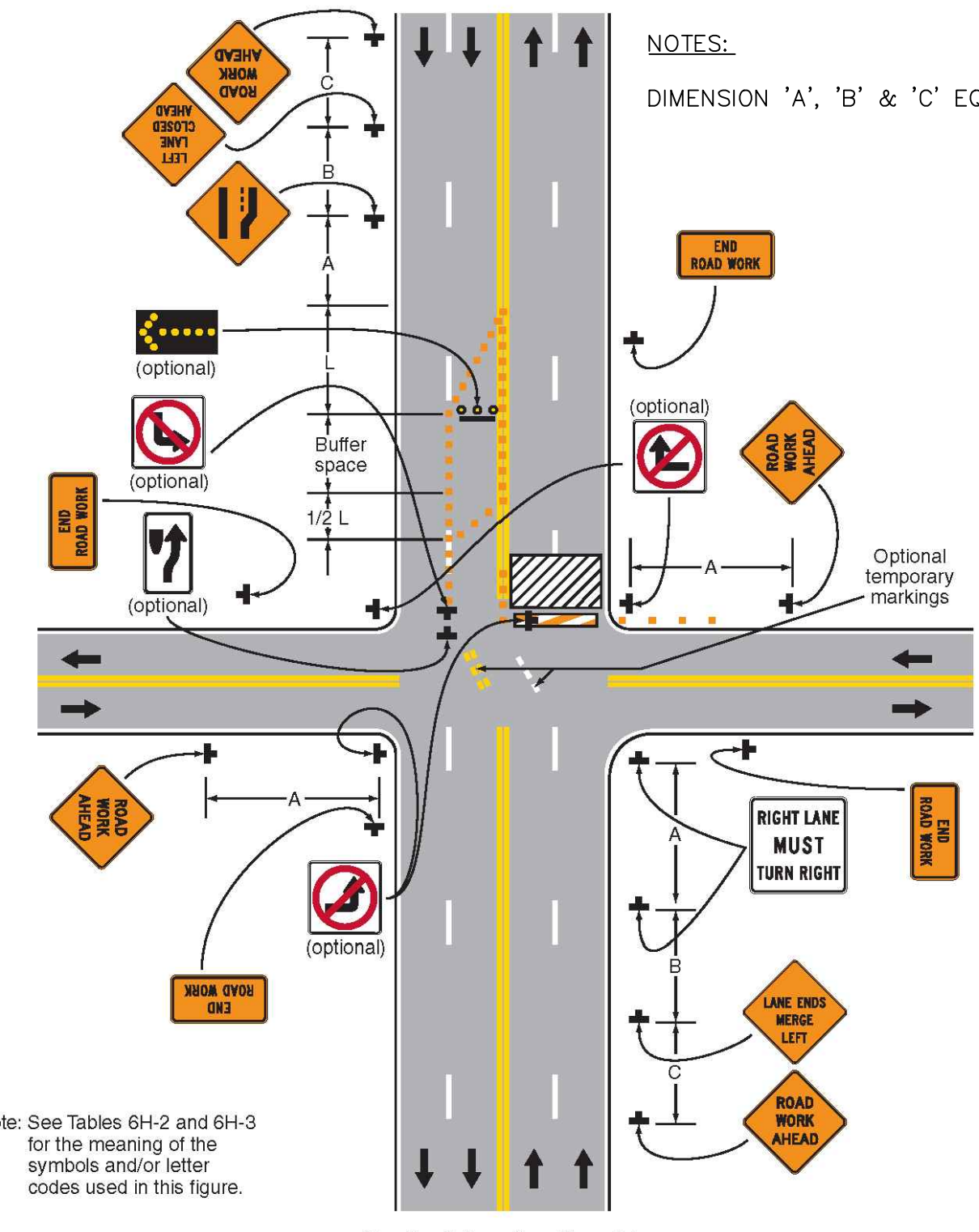


Figure 6H-24. Half Road Closure on the Far Side of an Intersection (TA-24)

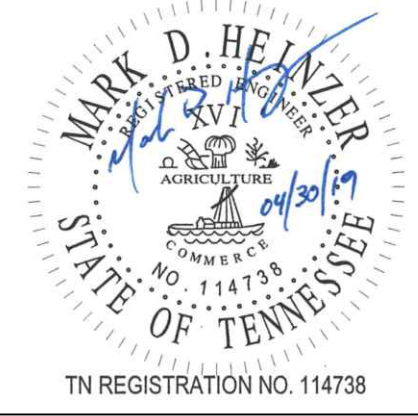


Typical Application 20



Typical Application 24

T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:28pm, jhowell



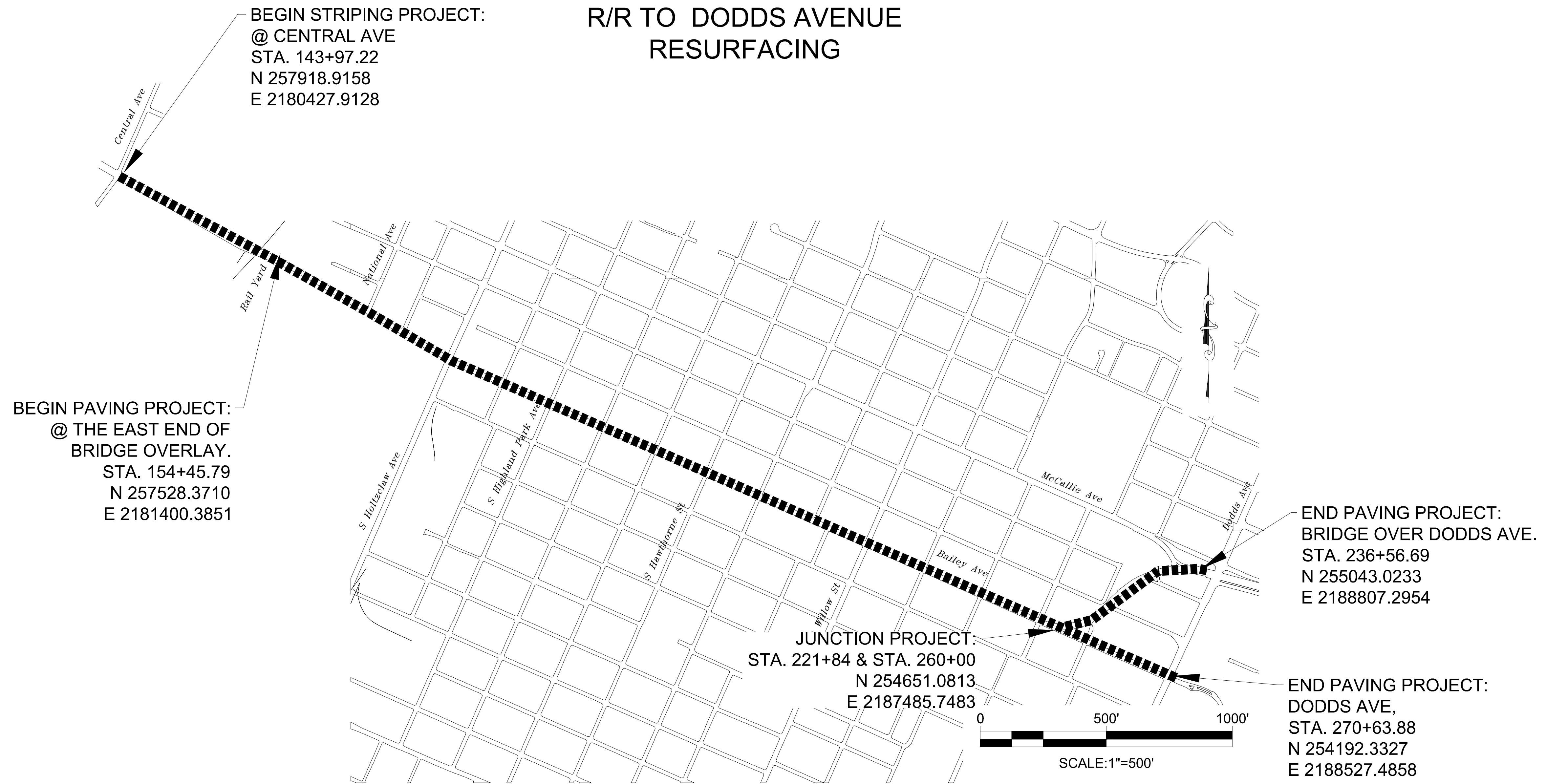
CHATTANOOGA
DEPARTMENT OF TRANSPORTATION

HAMILTON COUNTY
BAILEY AVENUE
FROM EAST OF NORFOLK SOUTHERN
R/R TO DODDS AVENUE
RESURFACING

LOCALLY LET & MANAGED PROJECT

TENN.	YEAR	SHEET NO.
	2019	9
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
DESIGN / ENGINEERING DIVISION
1250 MARKET ST., SUITE 3000
CHATTANOOGA, TN 37402



PROJECT LENGTH: 1.955± MILES

POSTED SPEED LIMIT
CHANGING TO



CHESTNUT ST & BAILEY AVENUE RESURFACING
BAILEY AVE COVER

SHEET
NUMBER

9

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TENN.	YEAR	SHEET NO.
	2019	10
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

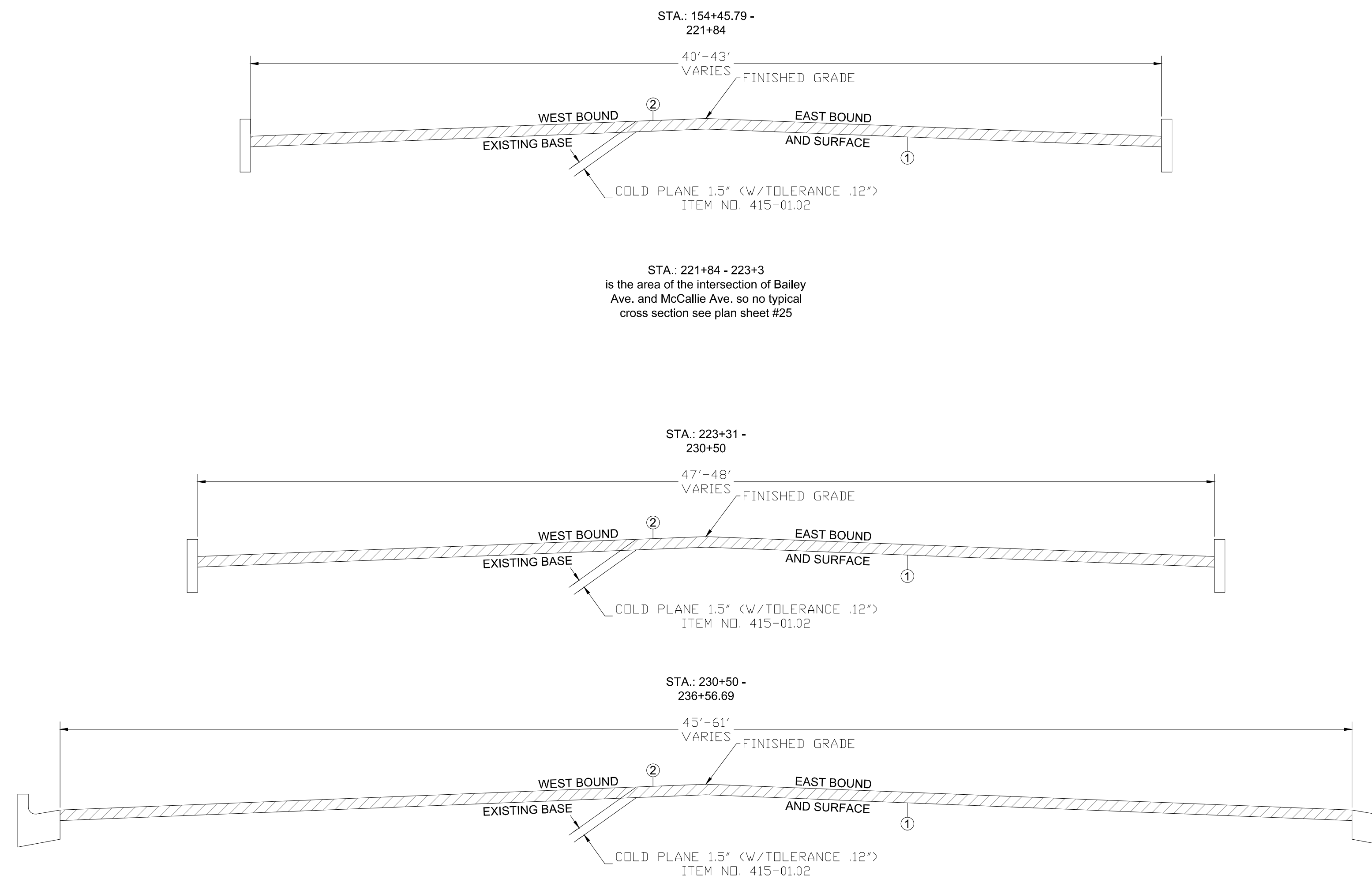
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE TYPICAL SECTION**

SHEET
 NUMBER

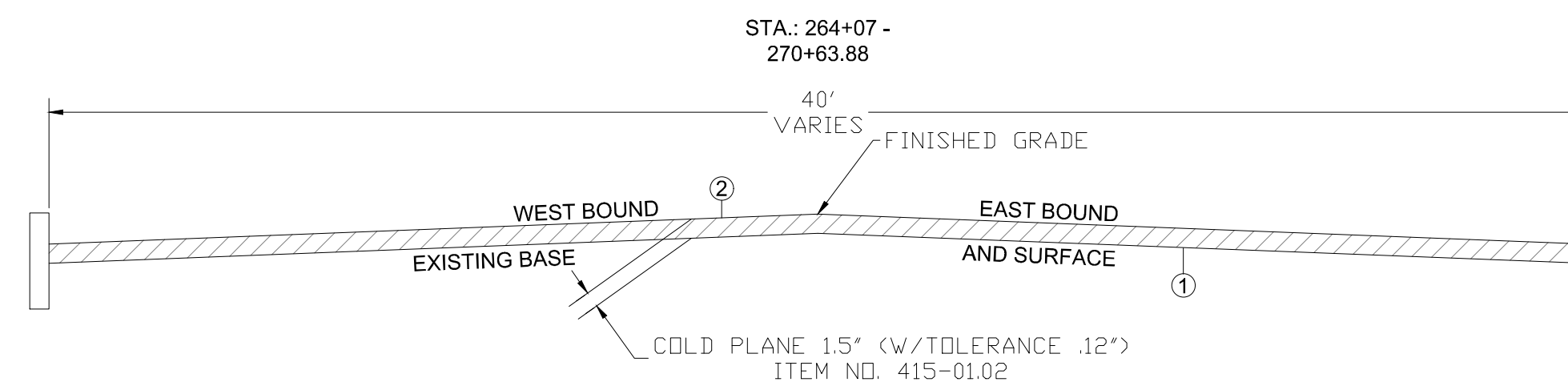
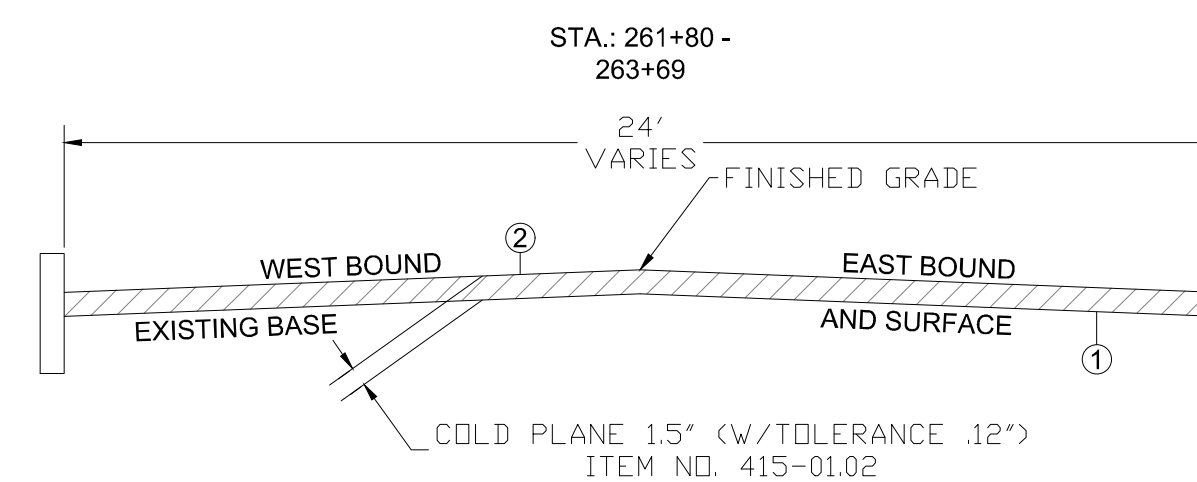
10

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PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING.
2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:
 - A. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
 - B. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - C. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - D. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.



PROPOSED PAVEMENT SCHEDULE

- | |
|---|
| ① TACK COAT (TC) @ (0.08 GAL./S.Y. - 0.12 GAL./S.Y.)
ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) |
| ② BITUMINOUS SURFACE @ 1.50"± THICK (APPROX. 159 LBS./S.Y.)
ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D" |



I:\Projects\15-035 TIP Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP Bailey - Chestnut Final 5-7-18.dwg - 2:29pm, jhowell

TENN.	YEAR	SHEET NO.
	2019	11
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

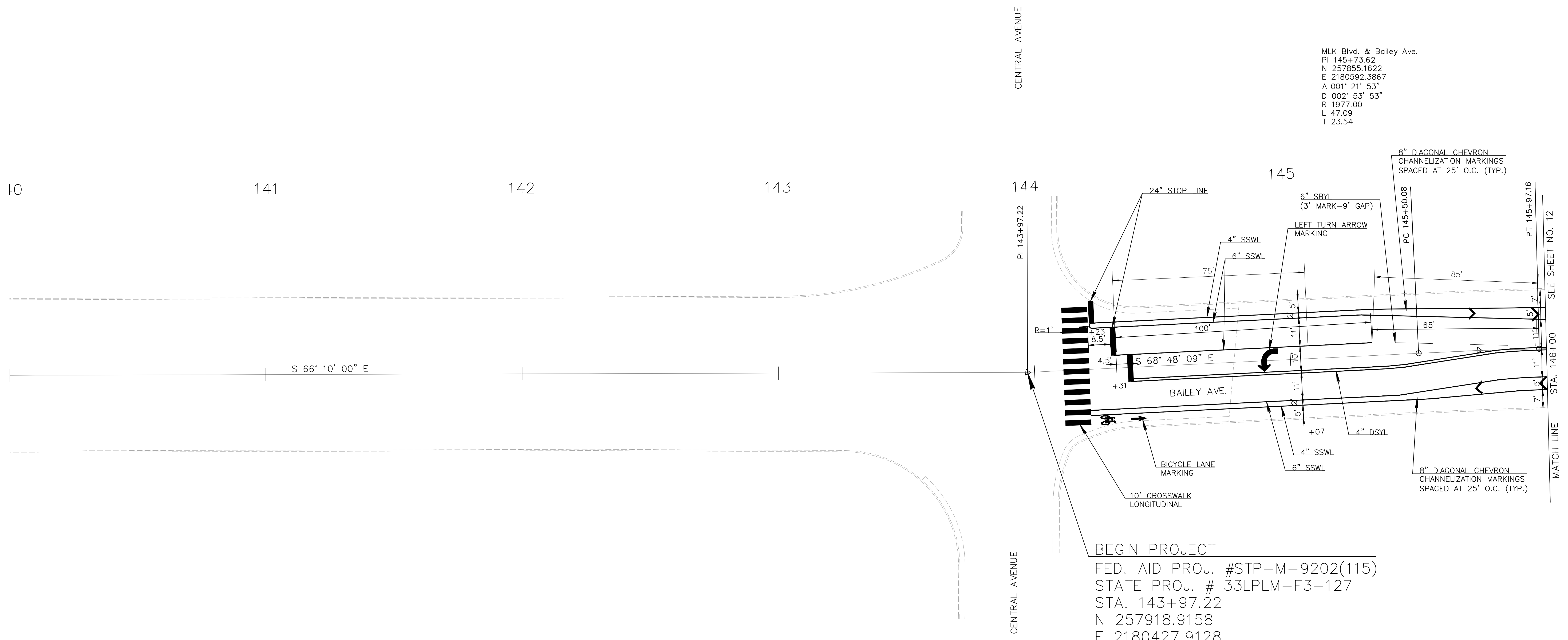
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET
 NUMBER

11

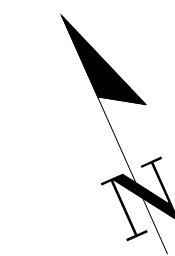
11 OF 36

MLK Blvd. & Bailey Ave.
 PI 145+73.62
 N 257855.1622
 E 2180592.3867
 Δ 001° 21' 53"
 D 002° 53' 53"
 R 1977.00
 L 47.09
 T 23.54



BEGIN PROJECT
 FED. AID PROJ. #STP-M-9202(115)
 STATE PROJ. # 33LPLM-F3-127
 STA. 143+97.22
 N 257918.9158
 E 2180427.9128

**POSTED SPEED LIMIT
 CHANGING TO**



NOTES:

1. ALL EXISTING SIGNS SHALL REMAIN UNLESS NOTED OTHERWISE.
2. ALL EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
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T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut_Final_5-7-18.dwg - Apr. 30, 2019 - 2:29pm, jhowell

LOCALLY LET & MANAGED PROJECT

TENN.	YEAR	SHEET NO.
	2019	12
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

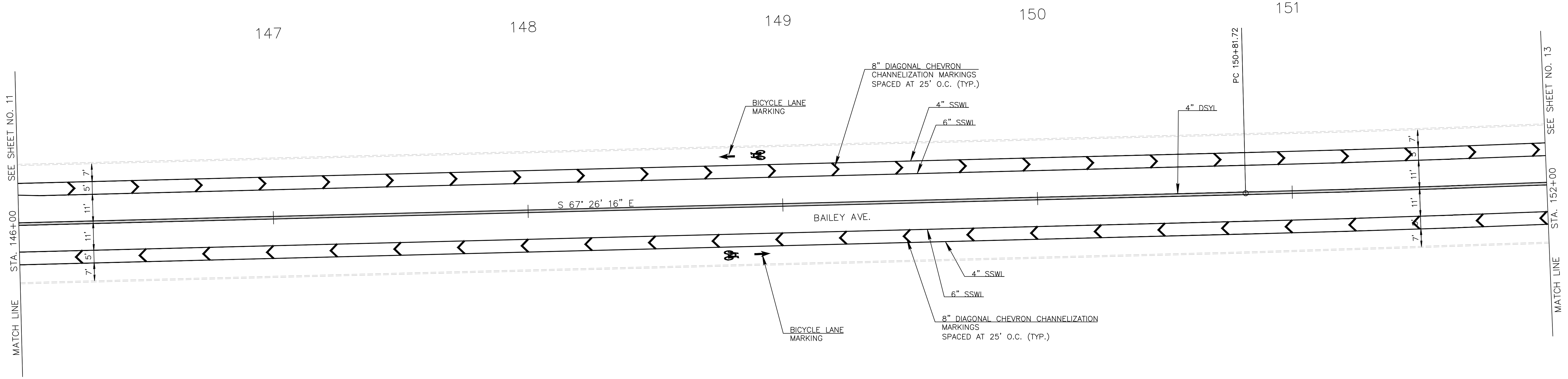
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

12

12 OF 36

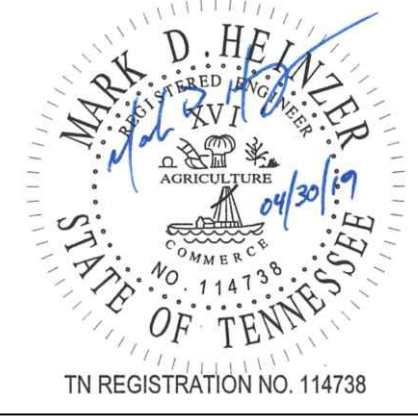
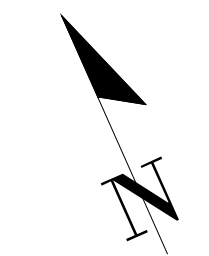
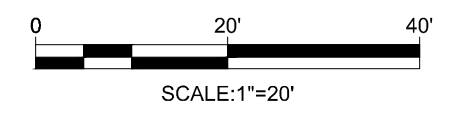
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 L 364.07
 T 182.07



T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:29pm, jhowell

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**POSTED SPEED LIMIT
 CHANGING TO**



TENN.	YEAR	SHEET NO.
	2019	13
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

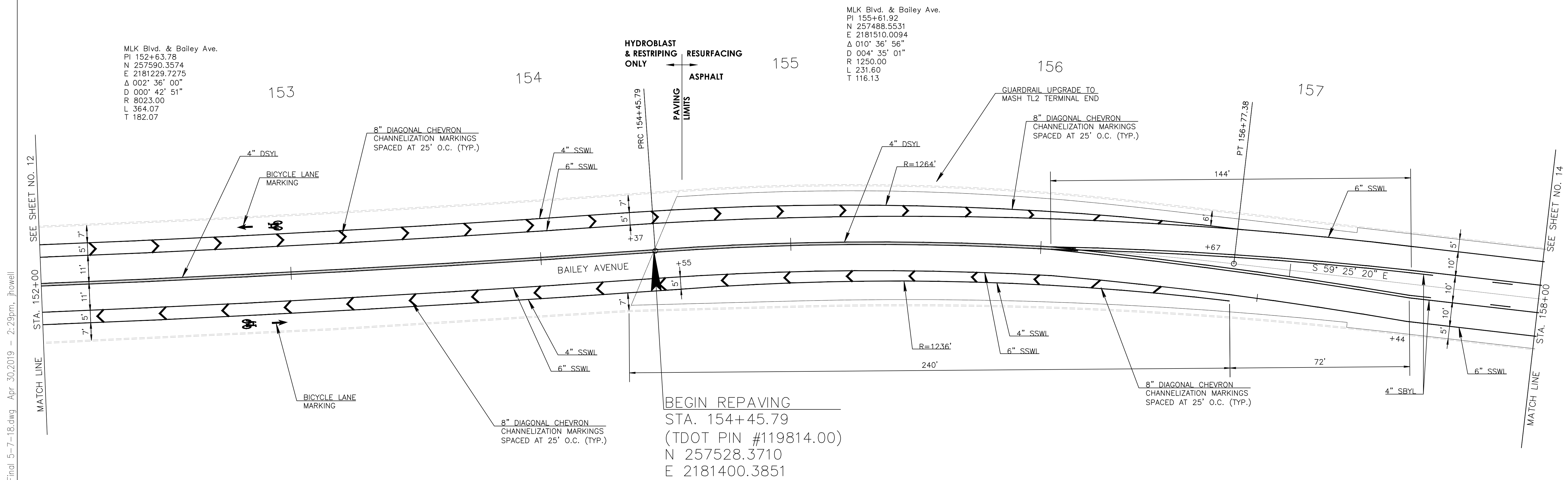
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET
 NUMBER

13

13 OF 36

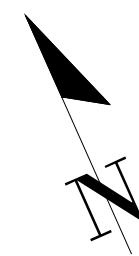
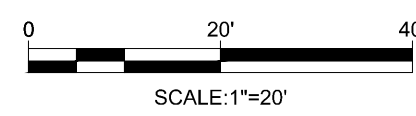


MLK Blvd. & Bailey Ave.
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 E 2181229.7275
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 L 364.07
 T 182.07

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 E 2181400.3851

**POSTED SPEED LIMIT
 CHANGING TO**



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TENN.	YEAR	SHEET NO.
	2019	14
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

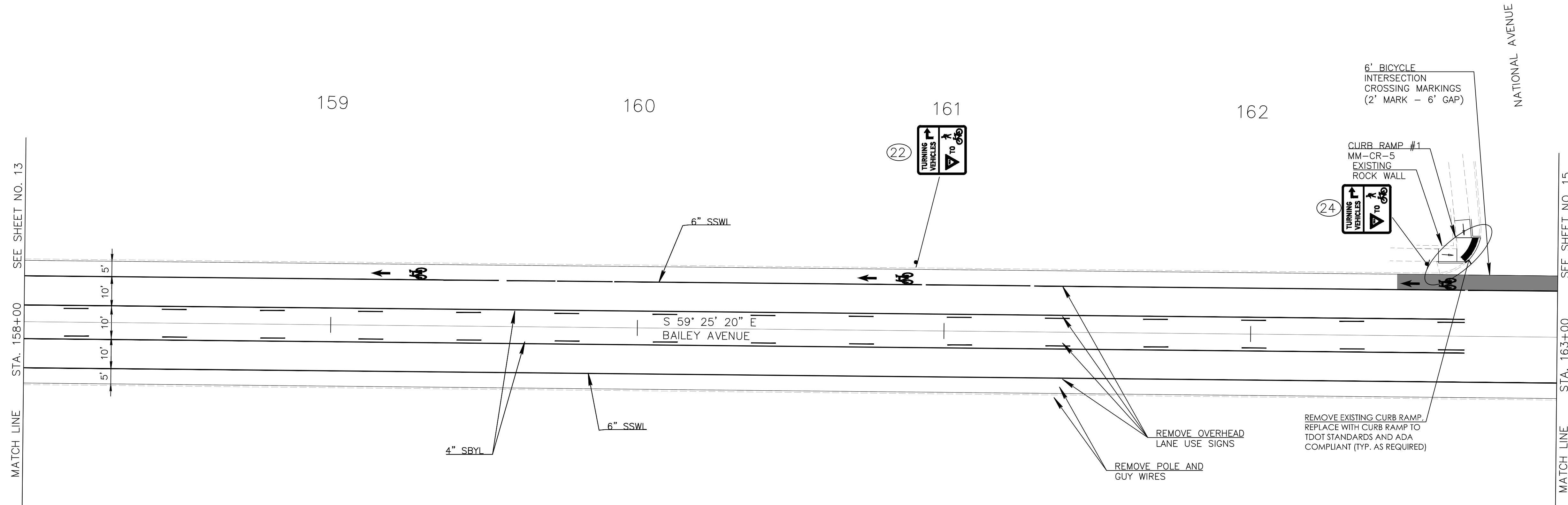
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14 OF 36



TN REGISTRATION NO. 114738



**POSTED SPEED LIMIT
 CHANGING TO**



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TENN.	YEAR	SHEET NO.
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FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

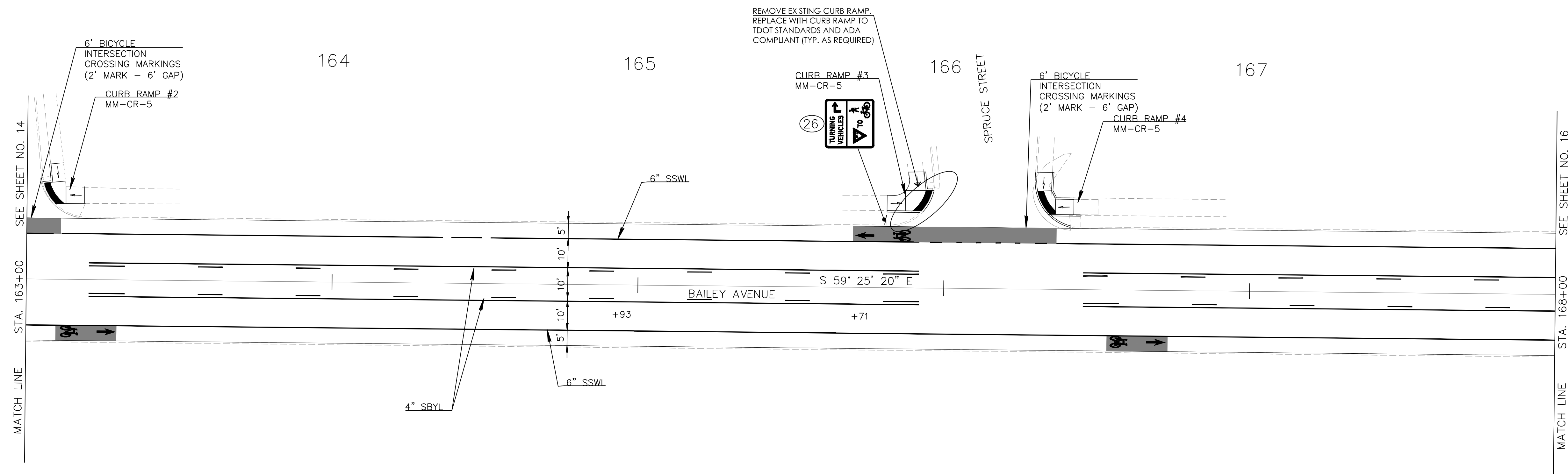
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

15

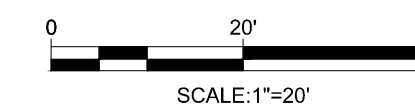
15 OF 36



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**POSTED SPEED LIMIT
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TENN.	YEAR	SHEET NO.
	2018	16
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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 CHATTANOOGA, TN 37402

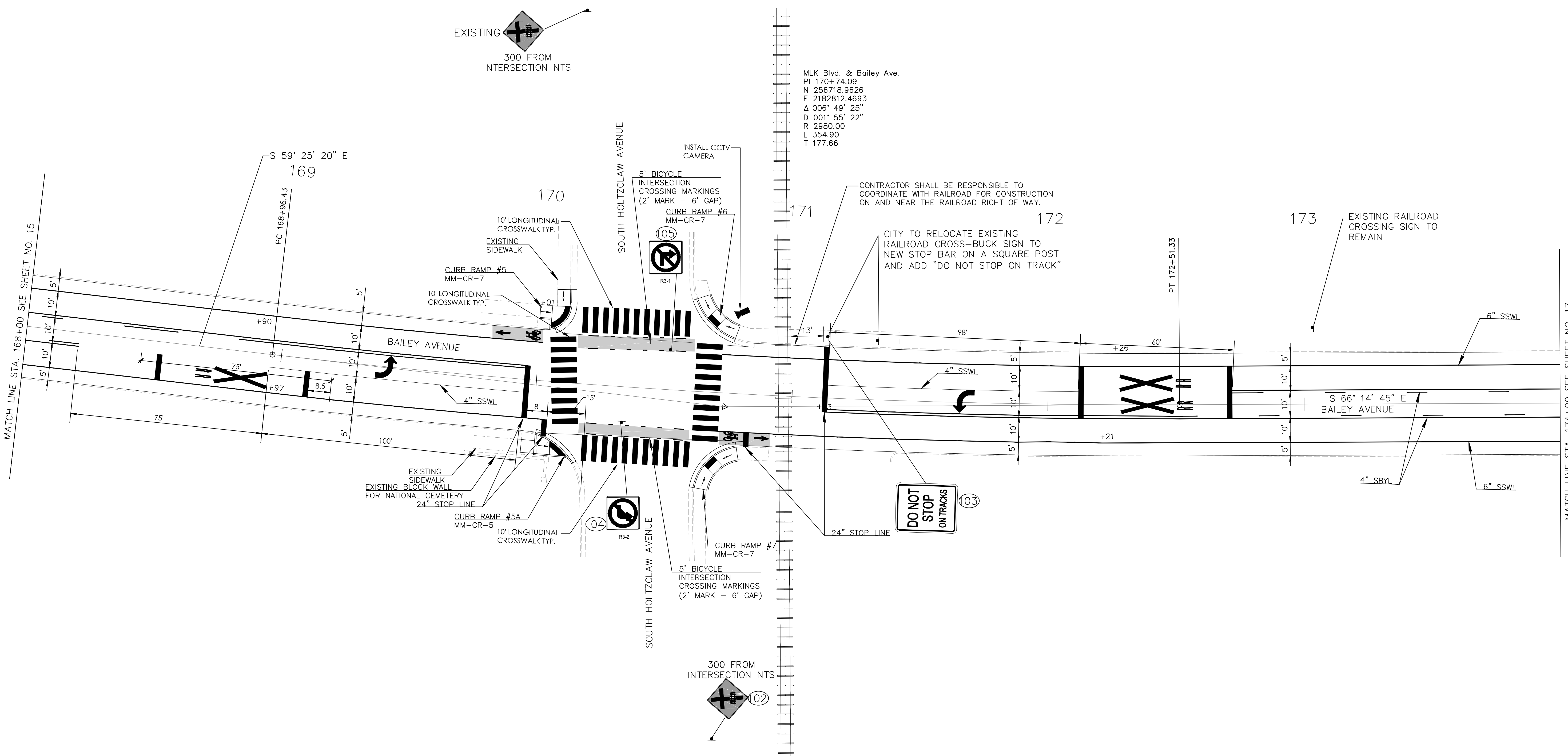
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

16

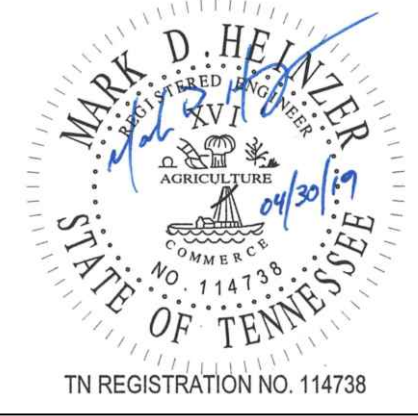
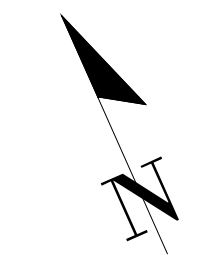
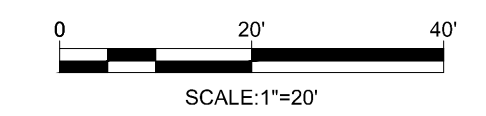
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**POSTED SPEED LIMIT
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TENN.	YEAR	SHEET NO.
	2019	17
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

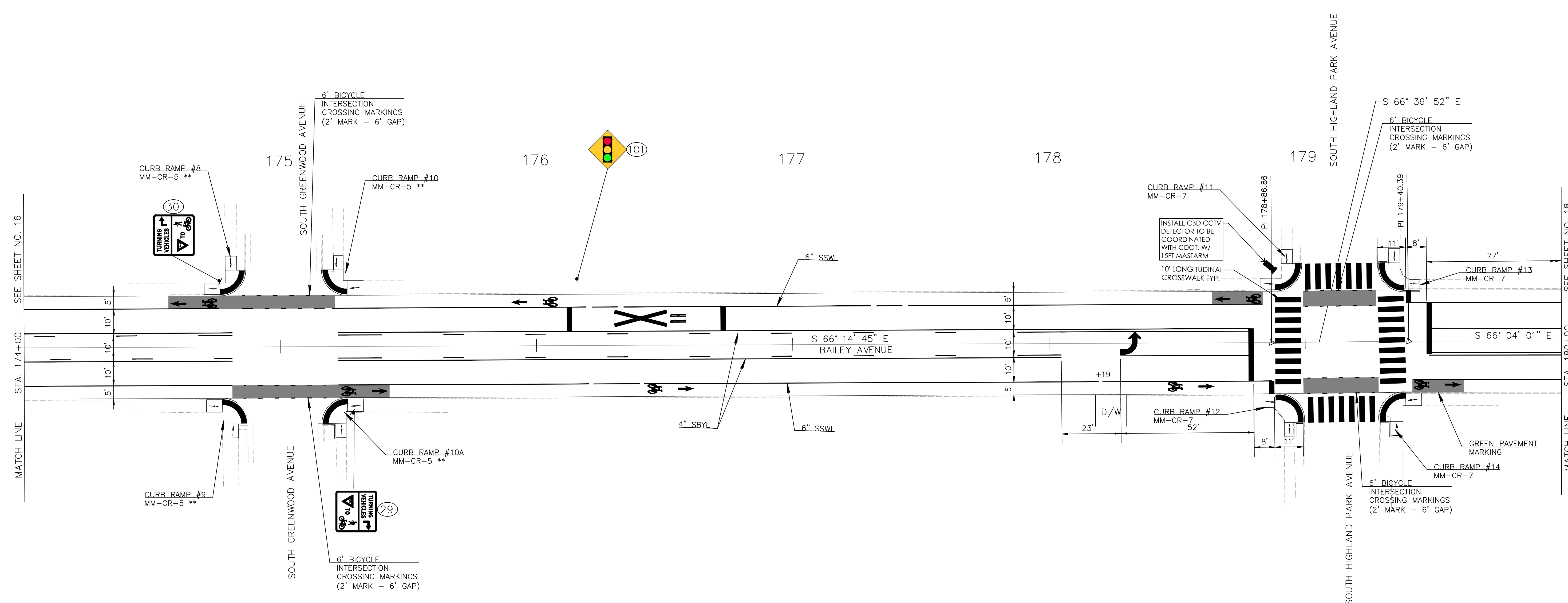
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

17

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T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr 30, 2019 - 2:29pm, jhowell

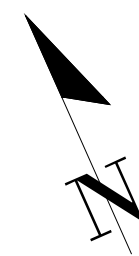
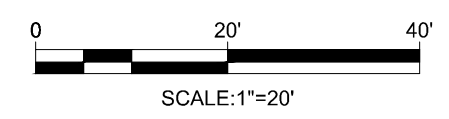
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**POSTED SPEED LIMIT
 CHANGING TO**



** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



TENN.	YEAR	SHEET NO.
	2019	18
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

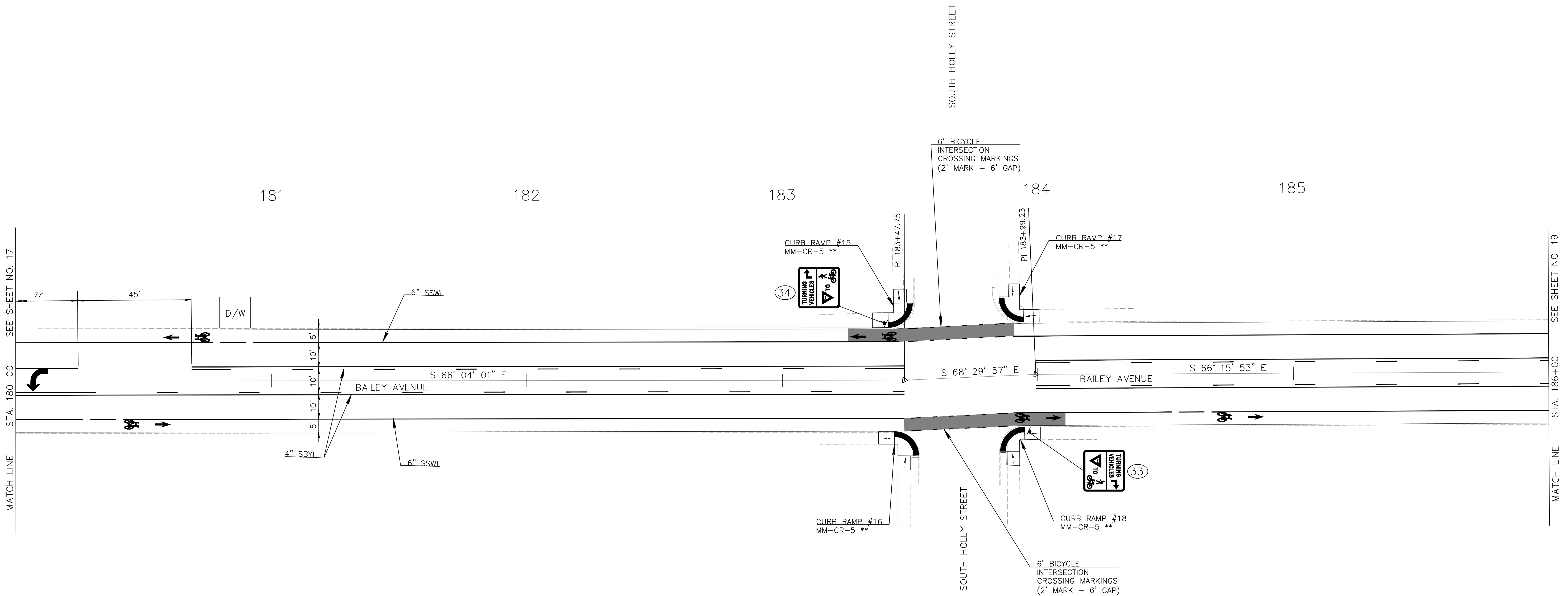
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

18

18 OF 36



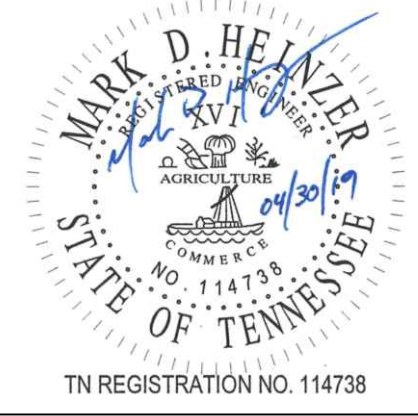
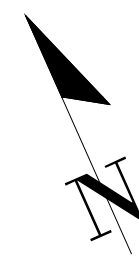
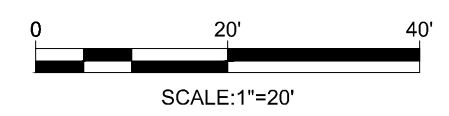
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**POSTED SPEED LIMIT
 CHANGING TO**



****** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



TENN.	YEAR	SHEET NO.
	2019	19
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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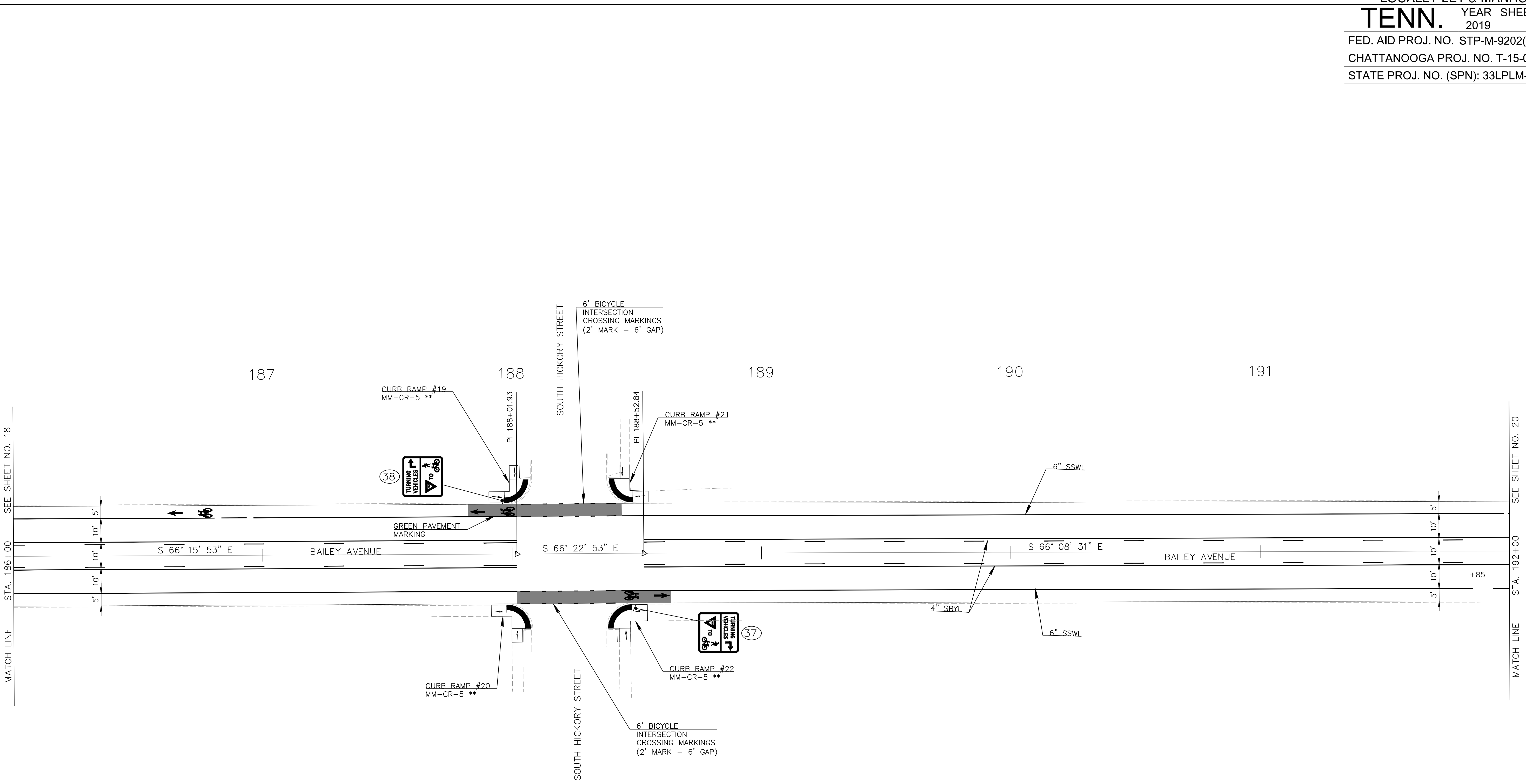
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

19

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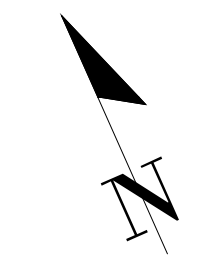
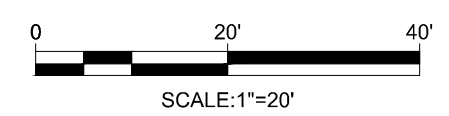


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**POSTED SPEED LIMIT
 CHANGING TO**



** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



TENN.	YEAR	SHEET NO.
	2019	20
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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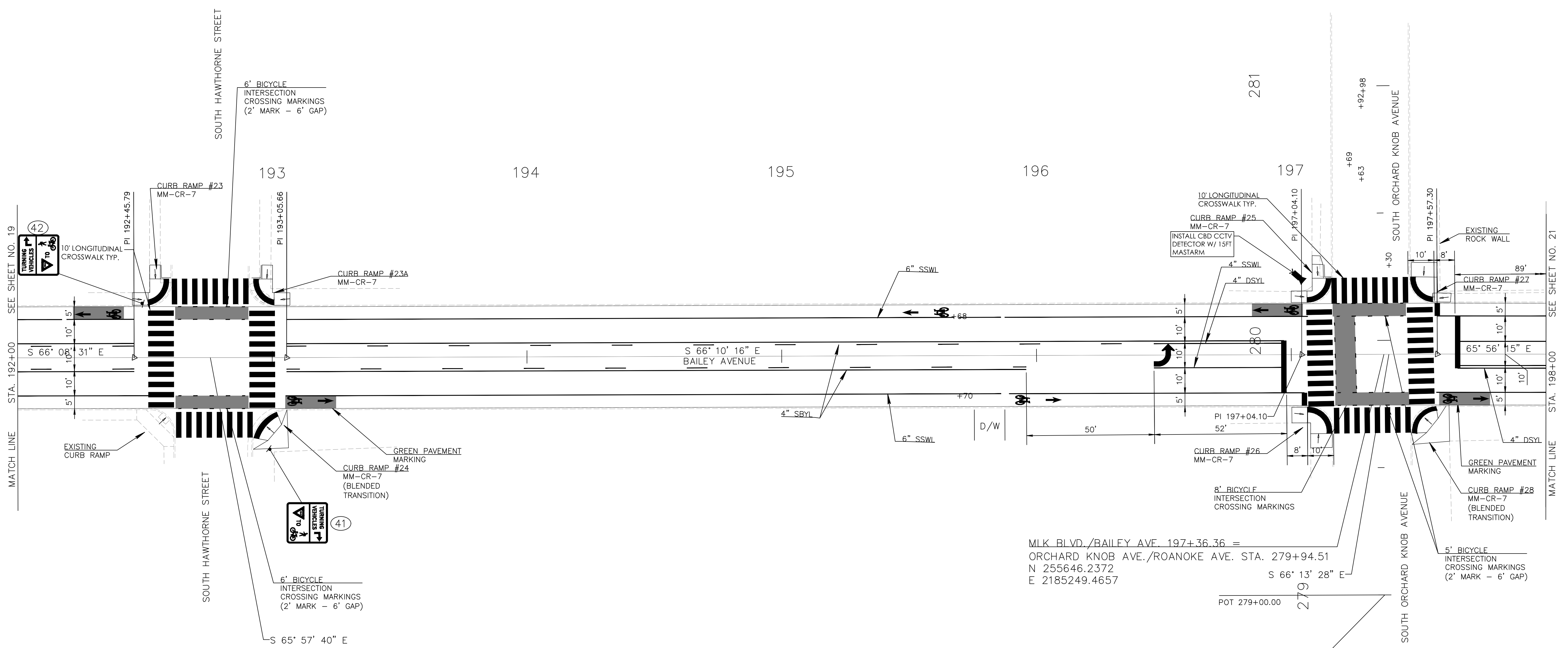
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 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

20

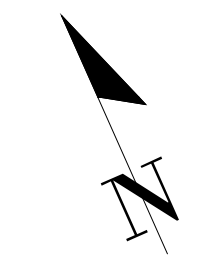
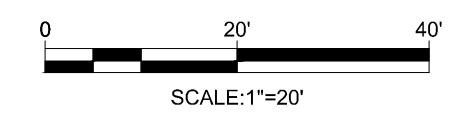
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**POSTED SPEED LIMIT
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TENN.	YEAR	SHEET NO.
	2019	21
	FED. AID PROJ. NO.	STP-M-9202(115)
	CHATTANOOGA PROJ. NO.	T-15-035
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

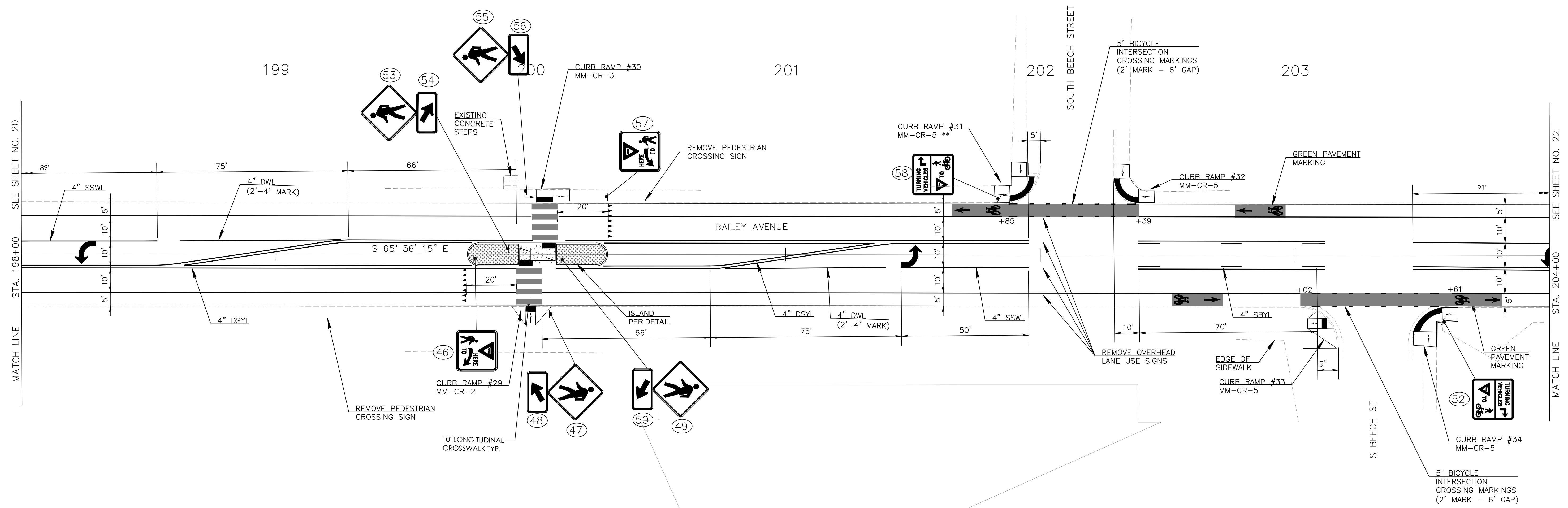
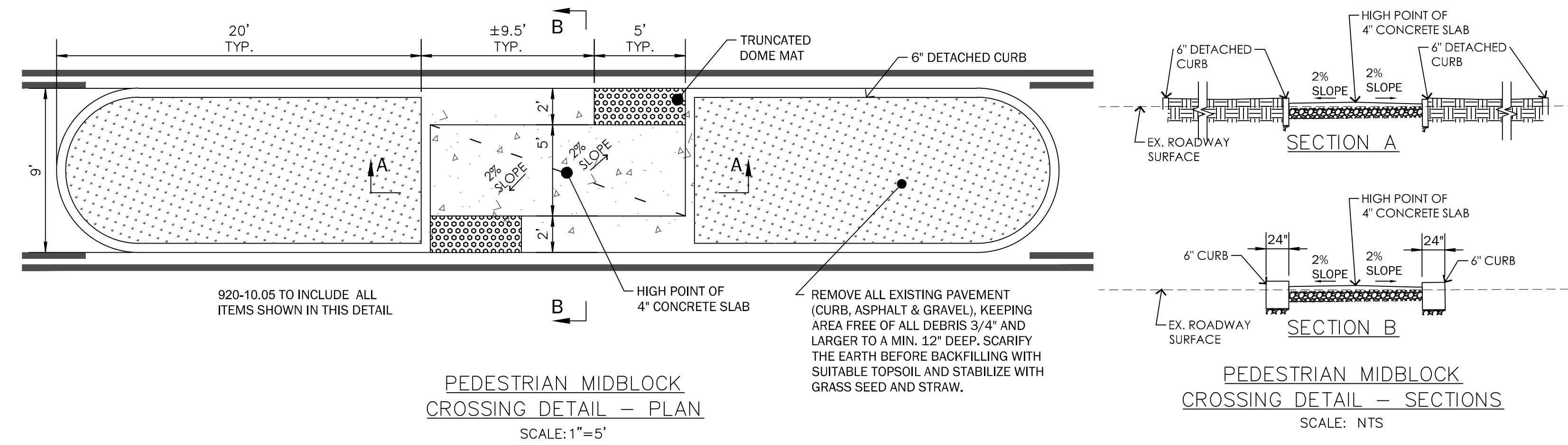
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

21

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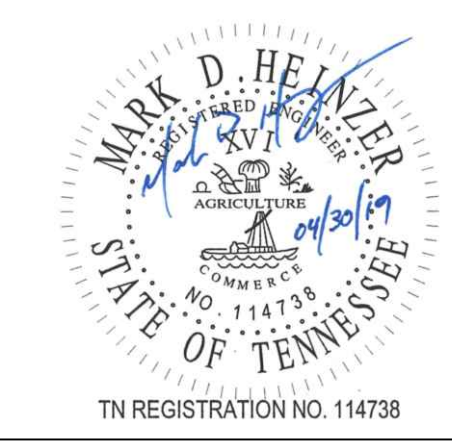
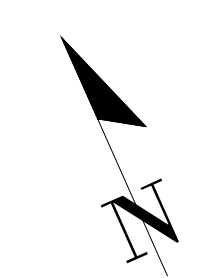
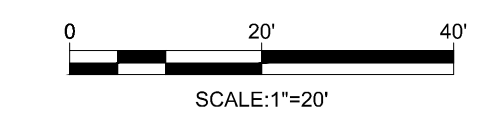


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**POSTED SPEED LIMIT
 CHANGING TO**



** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell

TENN.	YEAR	SHEET NO.
	2019	22
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

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 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

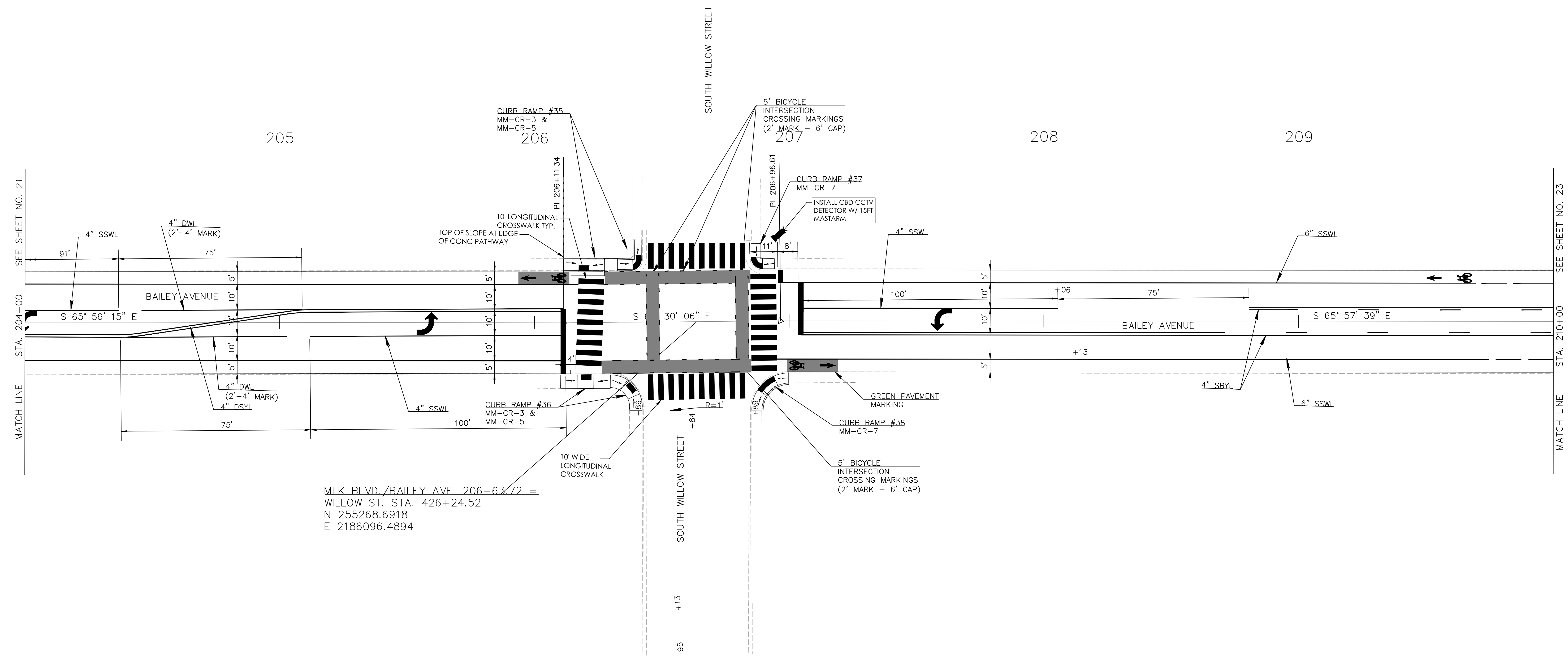
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

22

22 OF 36

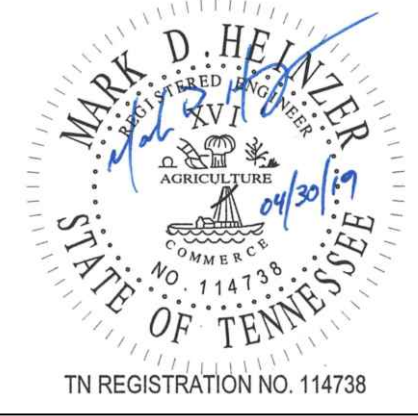
T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell



MLK BLVD./BAILEY AVE. 206+63.72 =
 WILLOW ST. STA. 426+24.52
 N 255268.6918
 E 2186096.4894

- NOTES:**
1. ALL EXISTING SIGNS SHALL REMAIN UNLESS NOTED OTHERWISE.
 2. ALL EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
 3. EXISTING ROADWAY WIDTHS ARE BASED ON AERIAL PHOTOGRAPHY AND FIELD MEASUREMENTS. THE CONTRACTOR SHALL LAYOUT PROPOSED PAVEMENT MARKINGS MEASURED FROM FACE OF CURB. IF MINIMUM DIMENSIONS CANNOT BE ACHIEVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
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**POSTED SPEED LIMIT
 CHANGING TO**



TENN.	YEAR	SHEET NO.
	2019	23
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

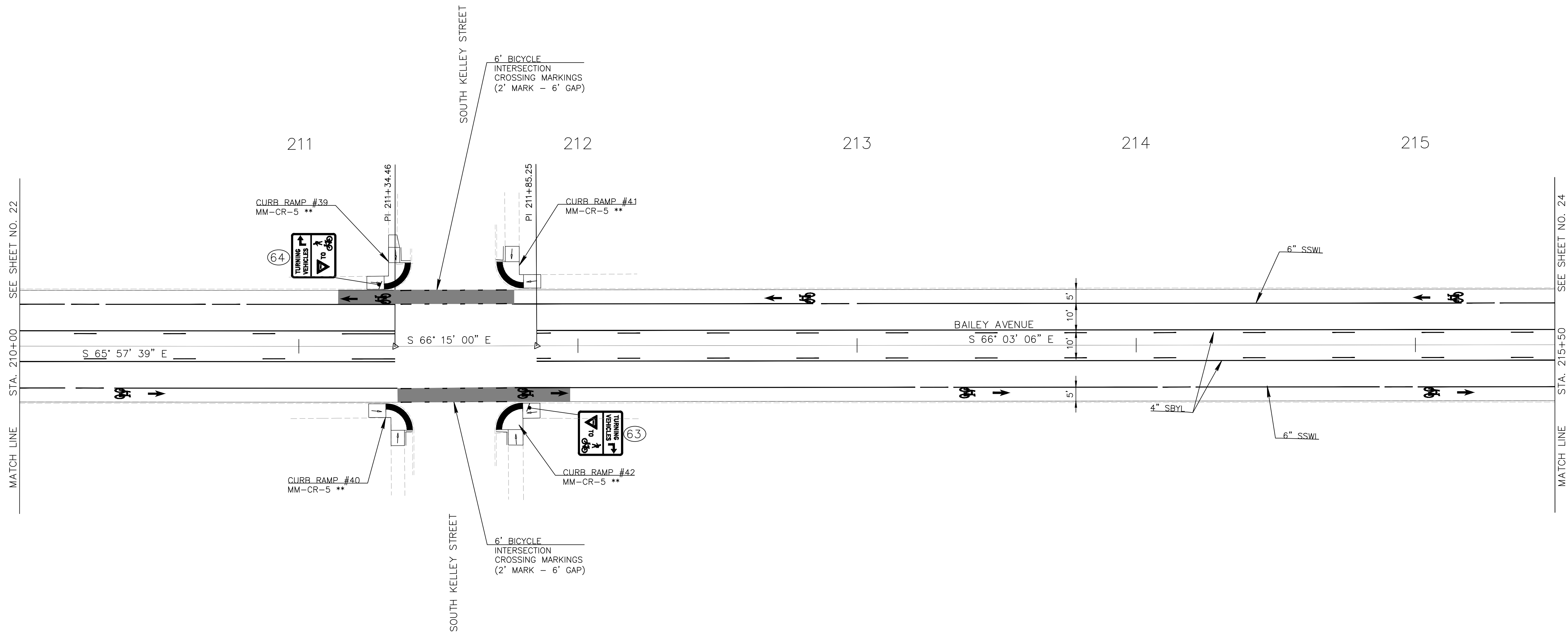
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

23

23 OF 36

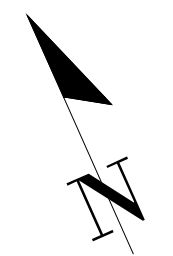
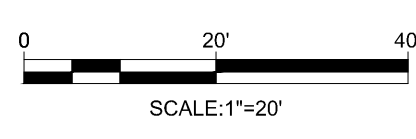


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**POSTED SPEED LIMIT
 CHANGING TO**



** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell

TENN.	YEAR	SHEET NO.
	2019	24
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

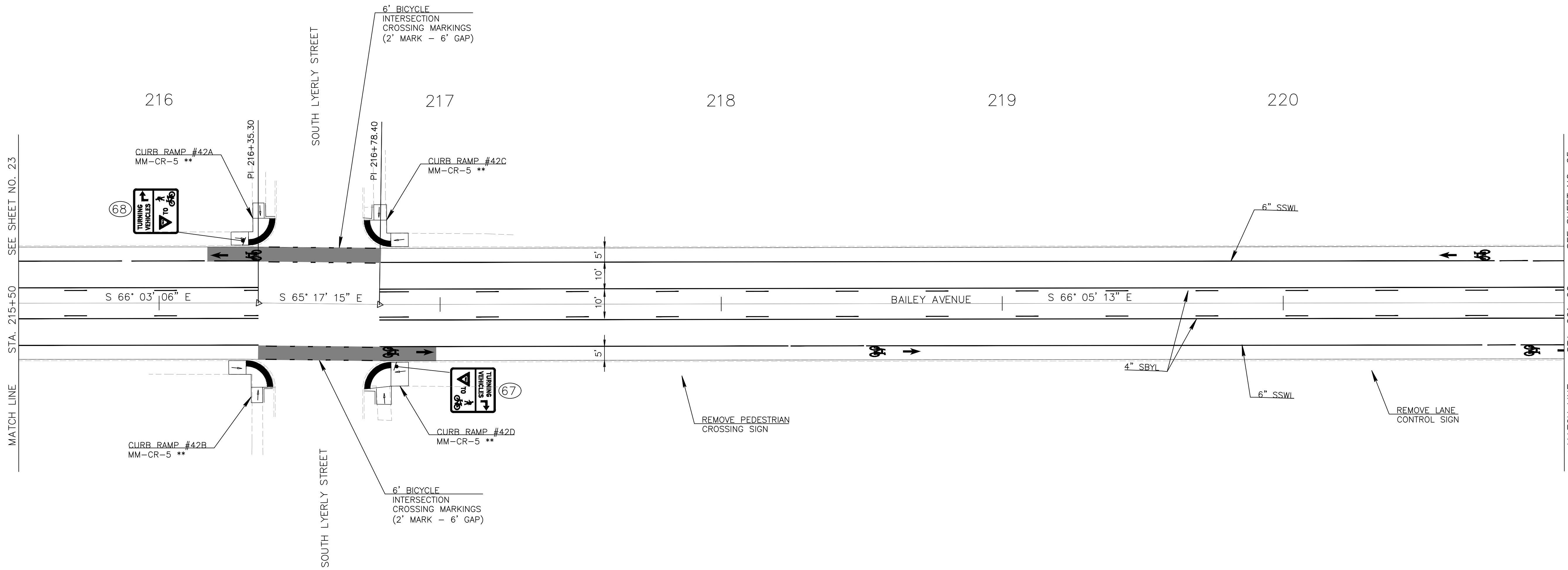
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

24

24 OF 36



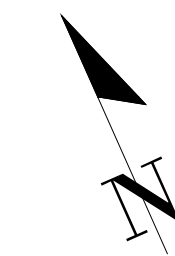
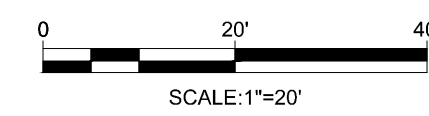
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**POSTED SPEED LIMIT
 CHANGING TO**



** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge



TENN.	YEAR	SHEET NO.
	2019	25
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

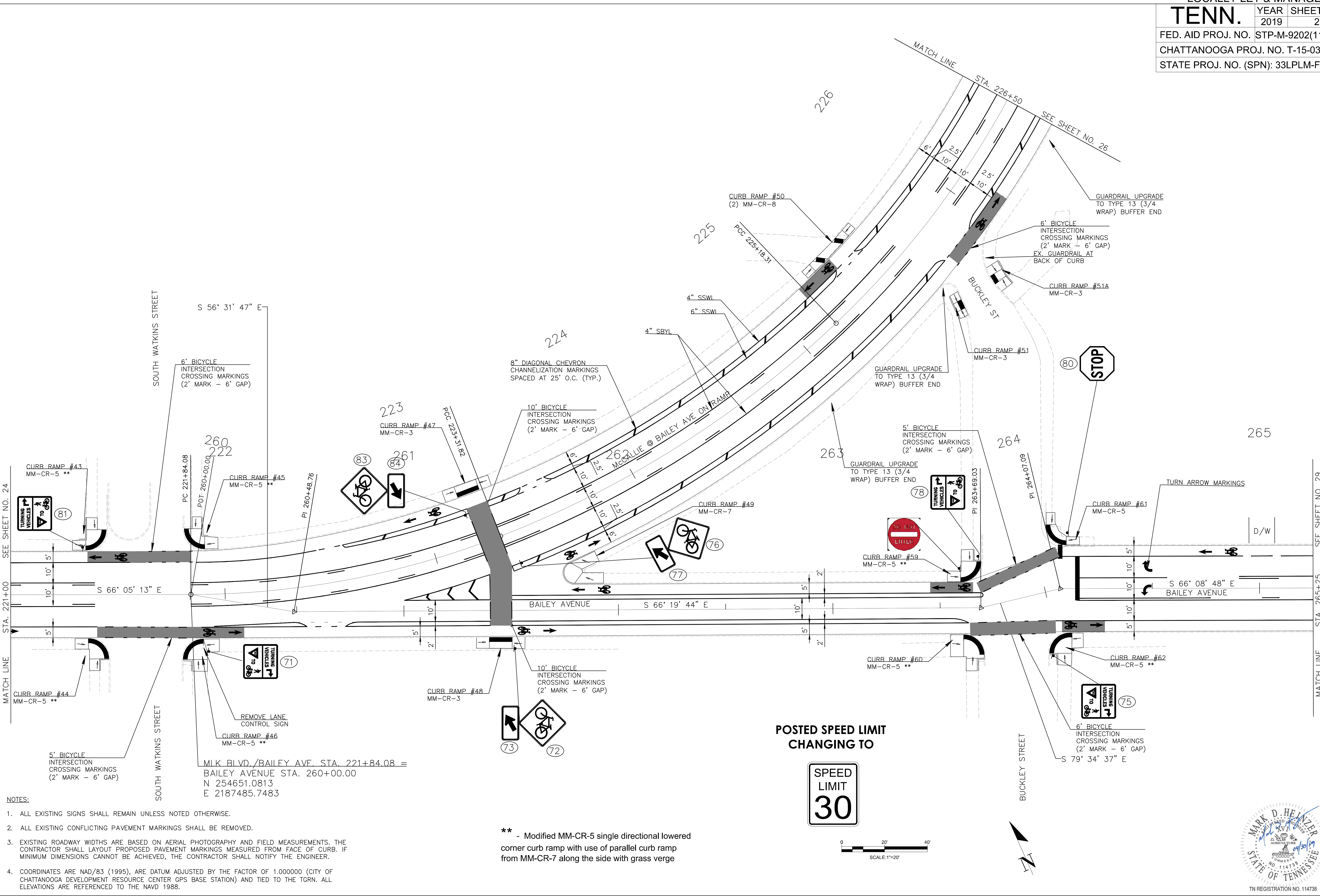
**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

25

25 OF 36

T:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell

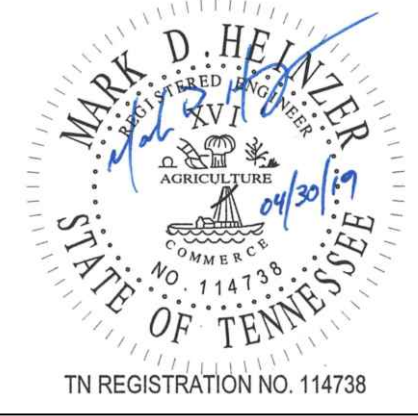
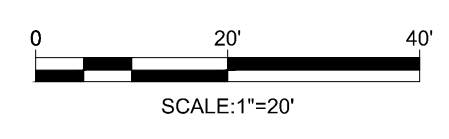


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****** - Modified MM-CR-5 single directional lowered corner curb ramp with use of parallel curb ramp from MM-CR-7 along the side with grass verge

**POSTED SPEED LIMIT
 CHANGING TO**

**SPEED
 LIMIT
 30**



TENN.	YEAR	SHEET NO.
	2019	26
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

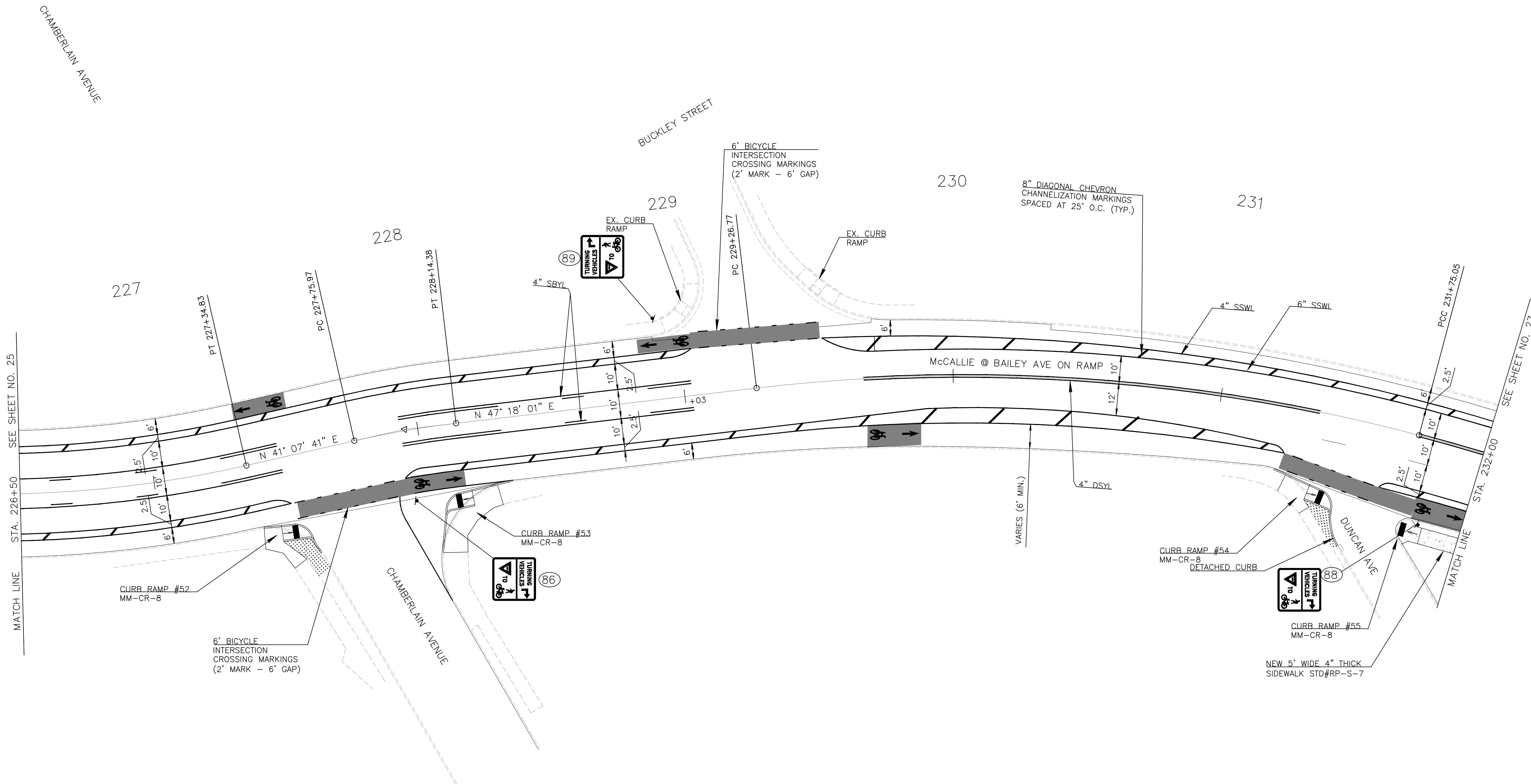
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET
 NUMBER

26

26 OF 36



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**POSTED SPEED LIMIT
 CHANGING TO**



I:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell

TENN.	YEAR	SHEET NO.
	2019	27
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

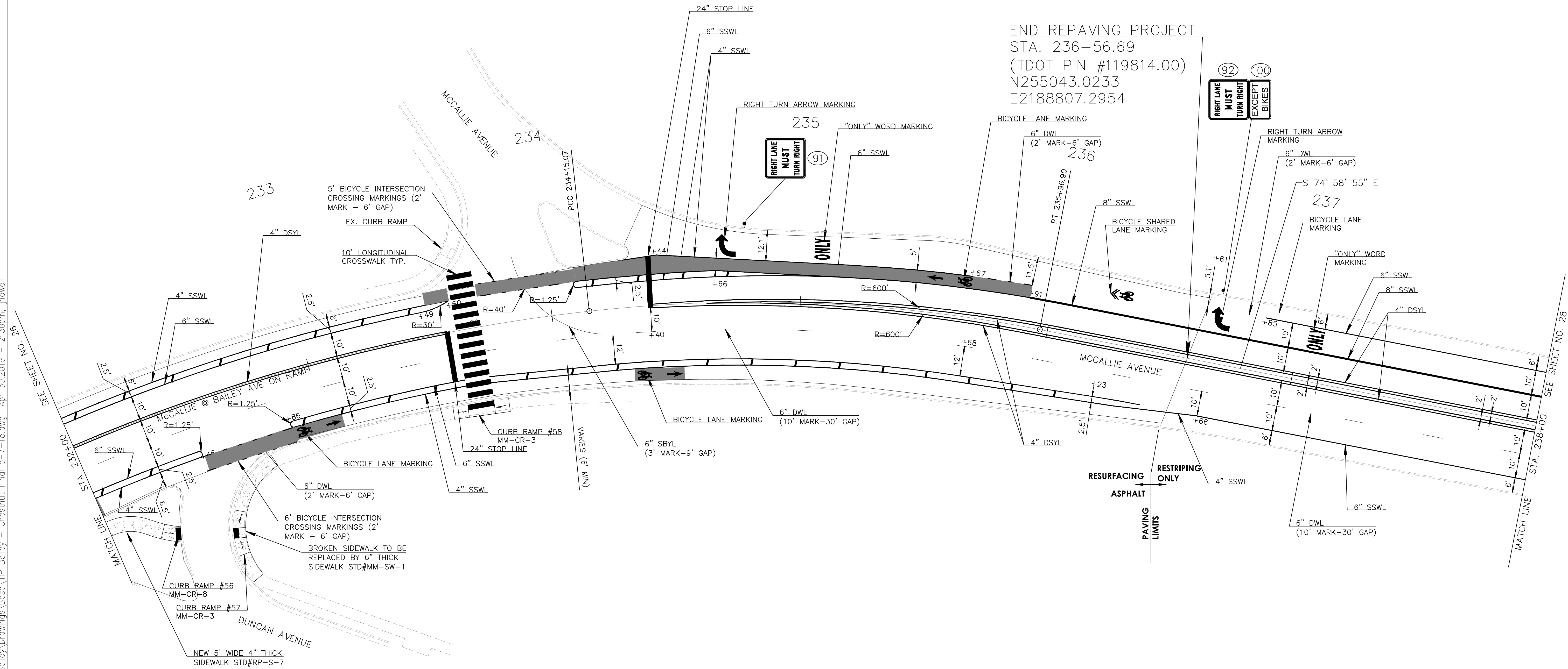
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

SHEET NUMBER

27

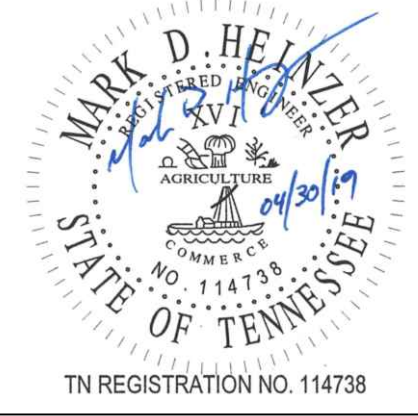
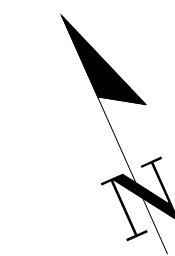
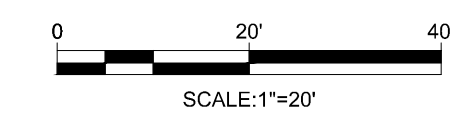
27 OF 36



I:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP_Bailey - Chestnut Final 5-7-18.dwg Apr 30, 2019 - 2:30pm, jhowell

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**POSTED SPEED LIMIT
 CHANGING TO**



TENN.	YEAR	SHEET NO.
	2019	28
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

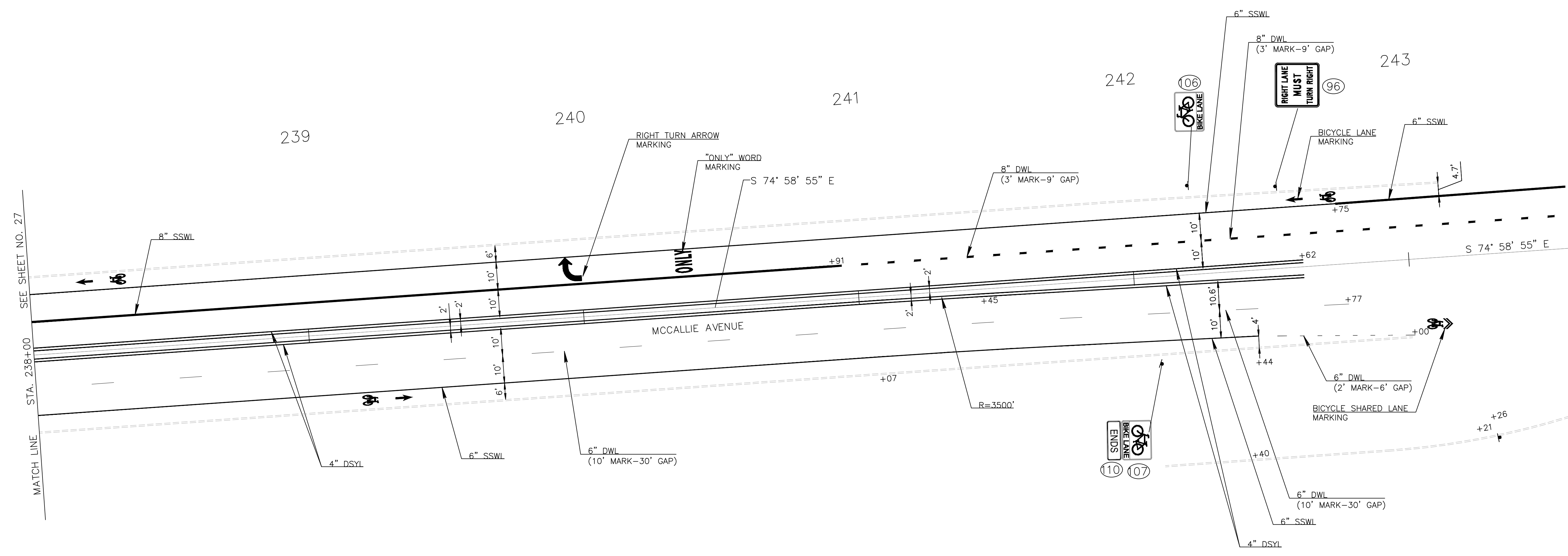
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

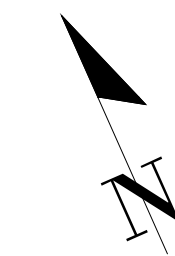
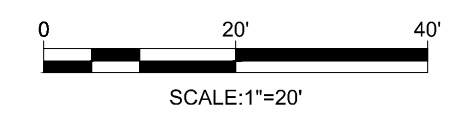
SHEET
 NUMBER

28

28 OF 36



**POSTED SPEED LIMIT
 CHANGING TO**



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LOCALLY LET & MANAGED PROJECT

TENN.	YEAR	SHEET NO.
	2019	29
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 BAILEY AVE STRIPING PLAN**

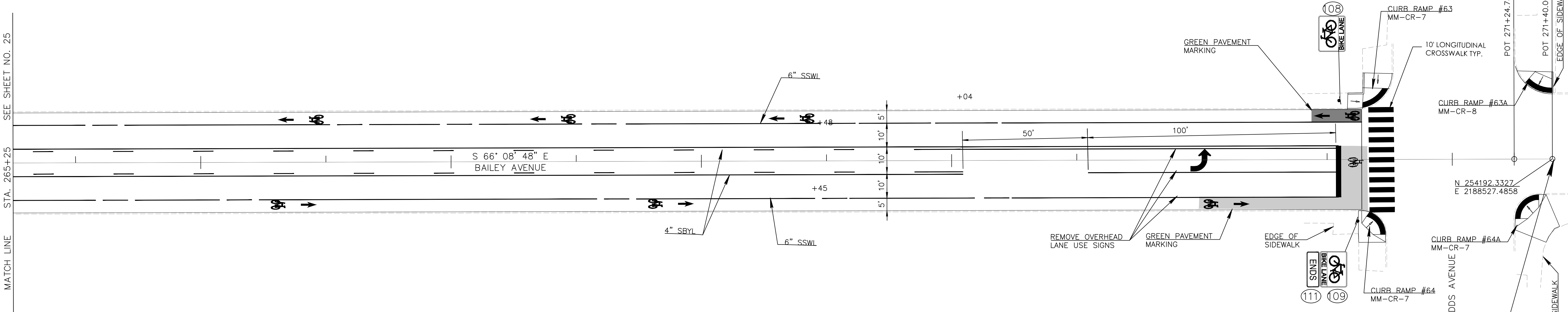
SHEET NUMBER

29

29 OF 36

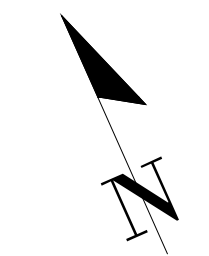
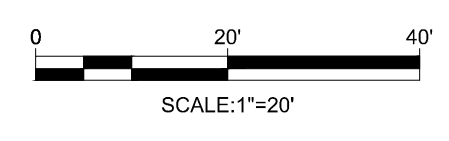


266 267 268 269 270 271



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**POSTED SPEED LIMIT
 CHANGING TO**



END REPAVING PROJECT
 (TDOT PIN #119814.00)
 STA. 271+40.00
 N 254192.3327
 E 2188527.4858

I:\Projects\15-035_TIP_Resurfacing - Chestnut and Bailey\Drawings\Bose\TIP Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:30pm, jhowell

MATCH LINE STA. 265+25 SEE SHEET NO. 25

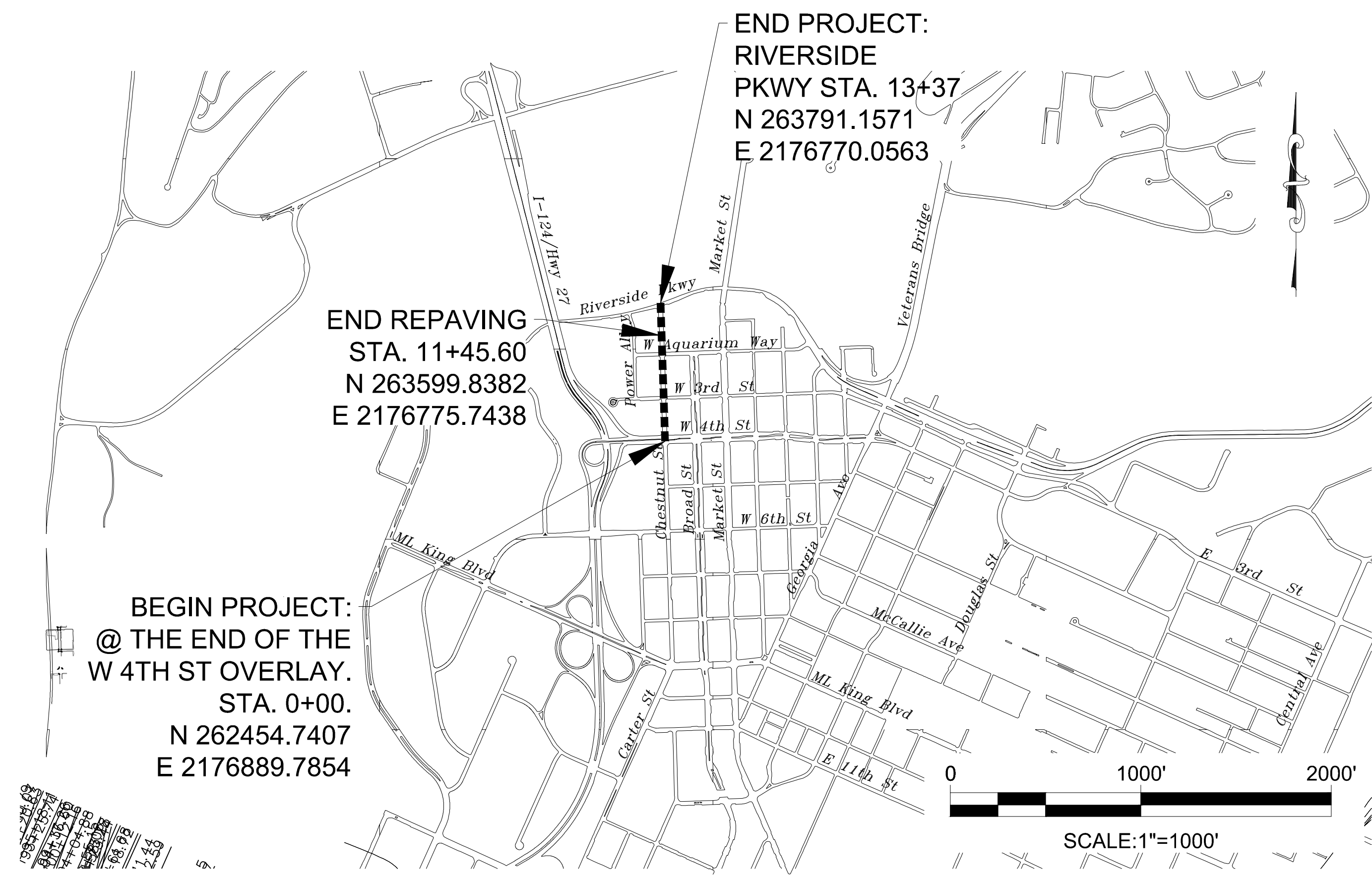
I:\Projects\15-035 JIP Resurfacing - Chestnut and Bailey Drawings\Bose\JIP Bailey - Chestnut Final 5-7-18.dwg Apr 30, 2019 - 2:30pm, jhowell

CHATTANOOGA
DEPARTMENT OF TRANSPORTATION

HAMILTON COUNTY
CHESTNUT STREET
FROM W. 4TH ST. TO NORTH OF AQUARIUM WAY
RESURFACING

LOCALLY LET & MANAGED PROJECT		
TENN.	YEAR	SHEET NO.
	2019	30
FED. AID PROJ. NO.	STP-M-9202(115)	
CHATTANOOGA PROJ. NO.	T-15-035	
STATE PROJ. NO. (SPN):	33LPLM-F3-127	

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
DESIGN / ENGINEERING DIVISION
1250 MARKET ST., SUITE 3000
CHATTANOOGA, TN 37402



PROJECT LENGTH: 0.253± MILES

CHESTNUT ST & BAILEY AVENUE RESURFACING
CHESTNUT ST COVER

SHEET NUMBER

30

30 OF 36

CURRENT POSTED
SPEED LIMIT



TN REGISTRATION NO. 114738

TENN.	YEAR	SHEET NO.
	2019	31
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

CHESTNUT ST & BAILEY AVENUE RESURFACING
 CHESTNUT ST TYPICAL SECTION

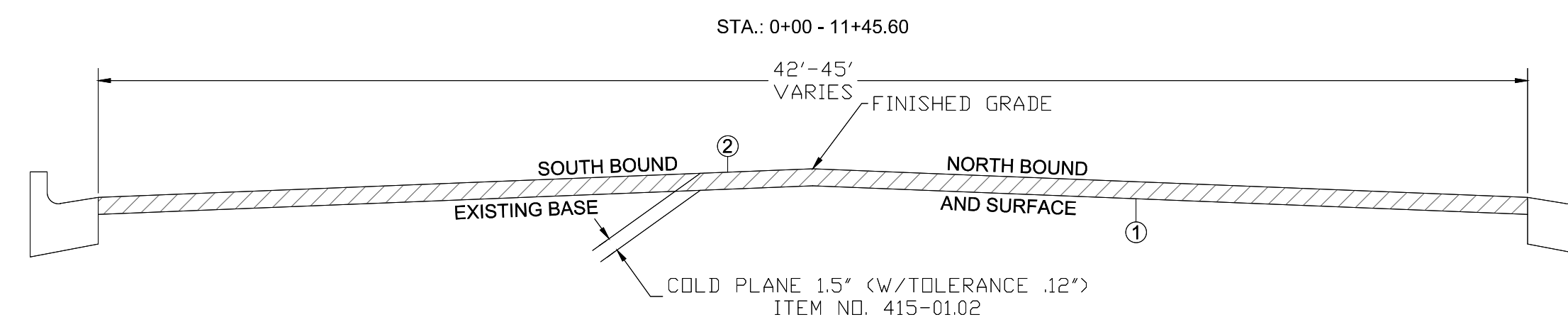
SHEET NUMBER

31

31 OF 36

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING.
2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:
 - A. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.
 - B. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - C. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.
 - D. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.



PROPOSED PAVEMENT SCHEDULE

- | | |
|---|---|
| ① | TACK COAT (TC) @ (0.08 GAL./S.Y. - 0.12 GAL./S.Y.)
ITEM 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) |
| ② | BITUMINOUS SURFACE @ 1.50"± THICK (APPROX. 159 LBS./S.Y.)
ITEM 411-02.10 ACS MIX (PG70-22) GRADING "D" |



TENN.	YEAR	SHEET NO.
	2019	32
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. E-09-010		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**CHESTNUT ST & BAILEY AVENUE RESURFACING
 CHESTNUT ST STRIPING PLAN**

SHEET NUMBER

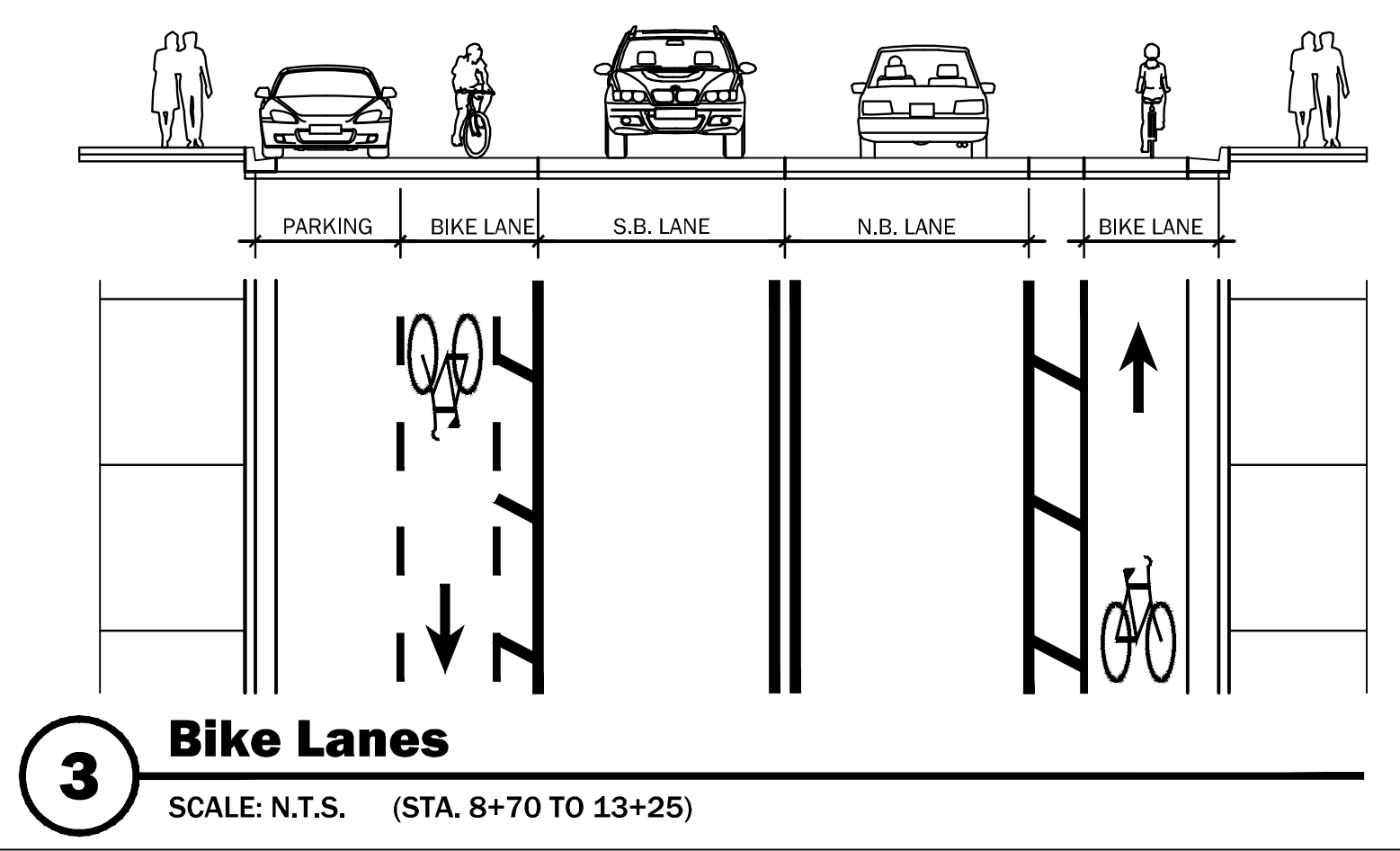
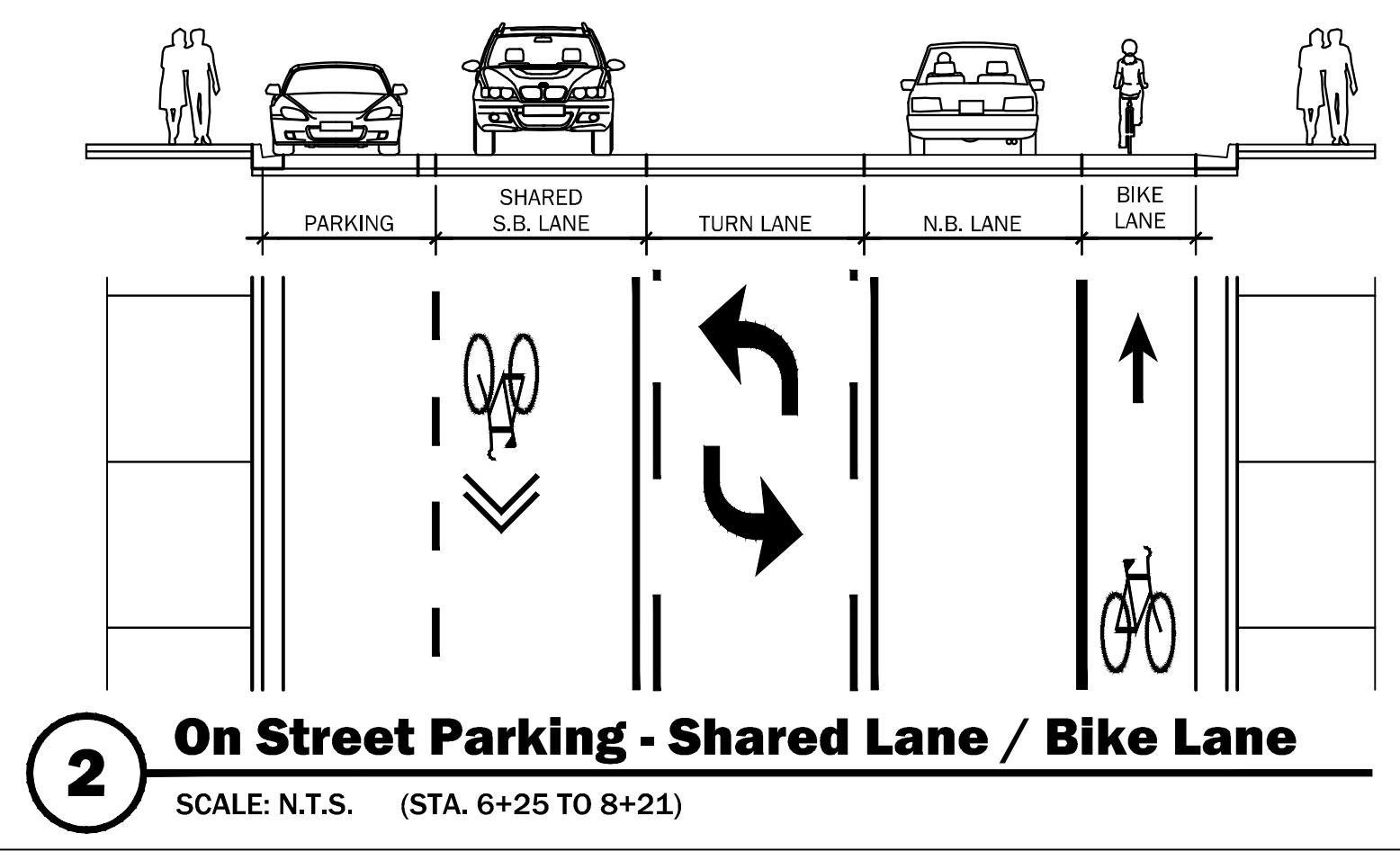
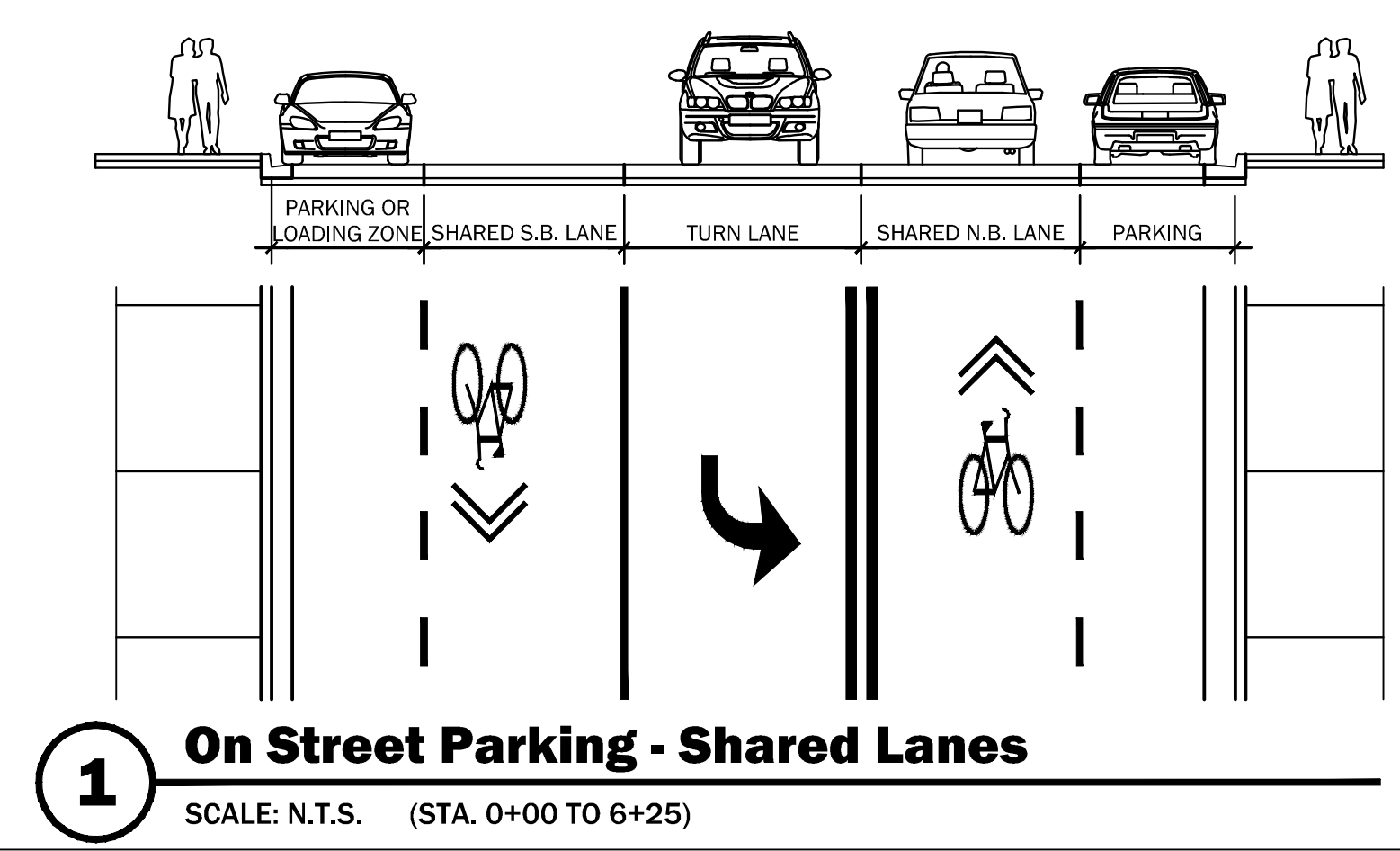
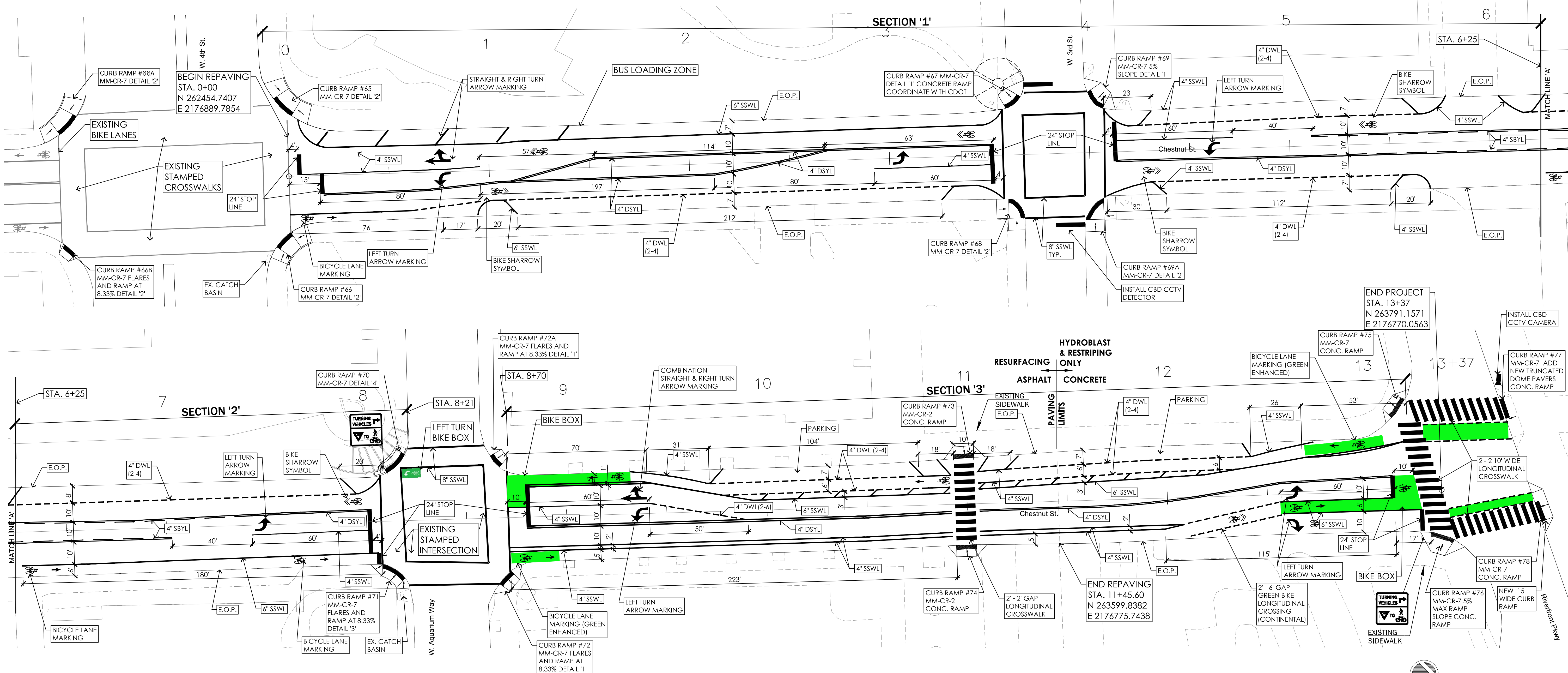
32

32 OF 36

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5. TYPICAL RAMP DETAILS FOR CHESTNUT ST ON SHEET 33
6. ALL TRUNCATED DOME ON CHESTNUT WILL BE FEDERAL YELLOW PAVERS.
7. COORDINATE CAURB RAMP WITH CDOT.

- MARKING ABBREVIATIONS**
- SBYL - SOLID & BROKEN YELLOW LINE
 - DSYL - DOUBLE SOLID YELLOW LINE
 - DBYL - DOUBLE BROKEN YELLOW LINE
 - SSWL - SINGLE SOLID WHITE LINE
 - SBWL - SINGLE BROKEN WHITE LINE
 - DWL - DOTTED WHITE LINE
 - DYL - DOTTED YELLOW LINE



CURRENT POSTED SPEED LIMIT

SPEED LIMIT 30



I:\Projects\15-035-11P-Resurfacing - Chestnut and Bailey Drawings\Bose\11P_Bailey - Chestnut Final 5-7-18.dwg Apr. 30, 2019 - 2:31pm, jhowell

TENN.	YEAR	SHEET NO.
	2019	32
	FED. AID PROJ. NO.	STP-M-9202(115)
	CHATTANOOGA PROJ. NO.	E-09-010
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

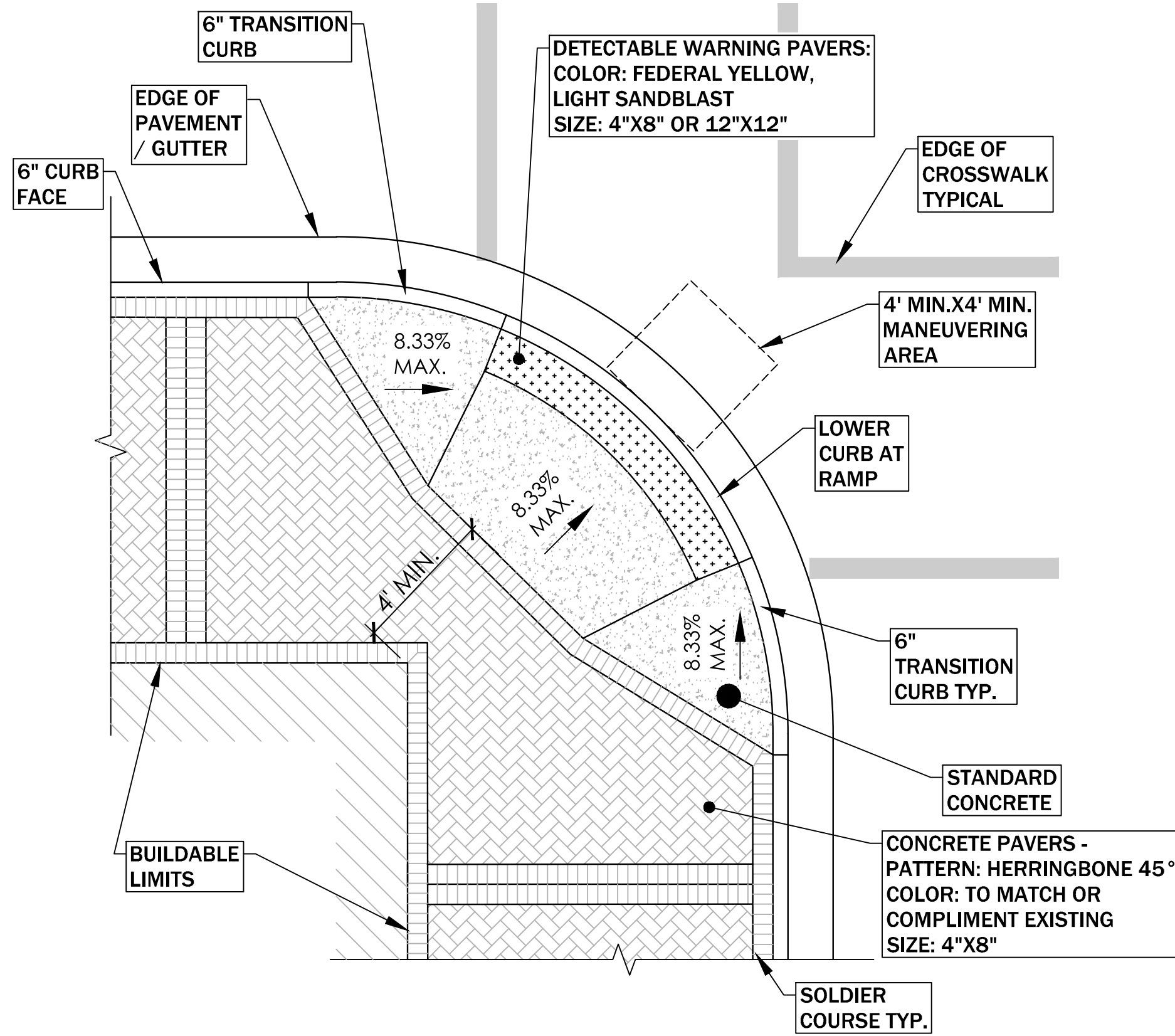
CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

CHESTNUT ST & BAILEY AVENUE RESURFACING
CHESTNUT ST CURB RAMP DETAILS

SHEET NUMBER

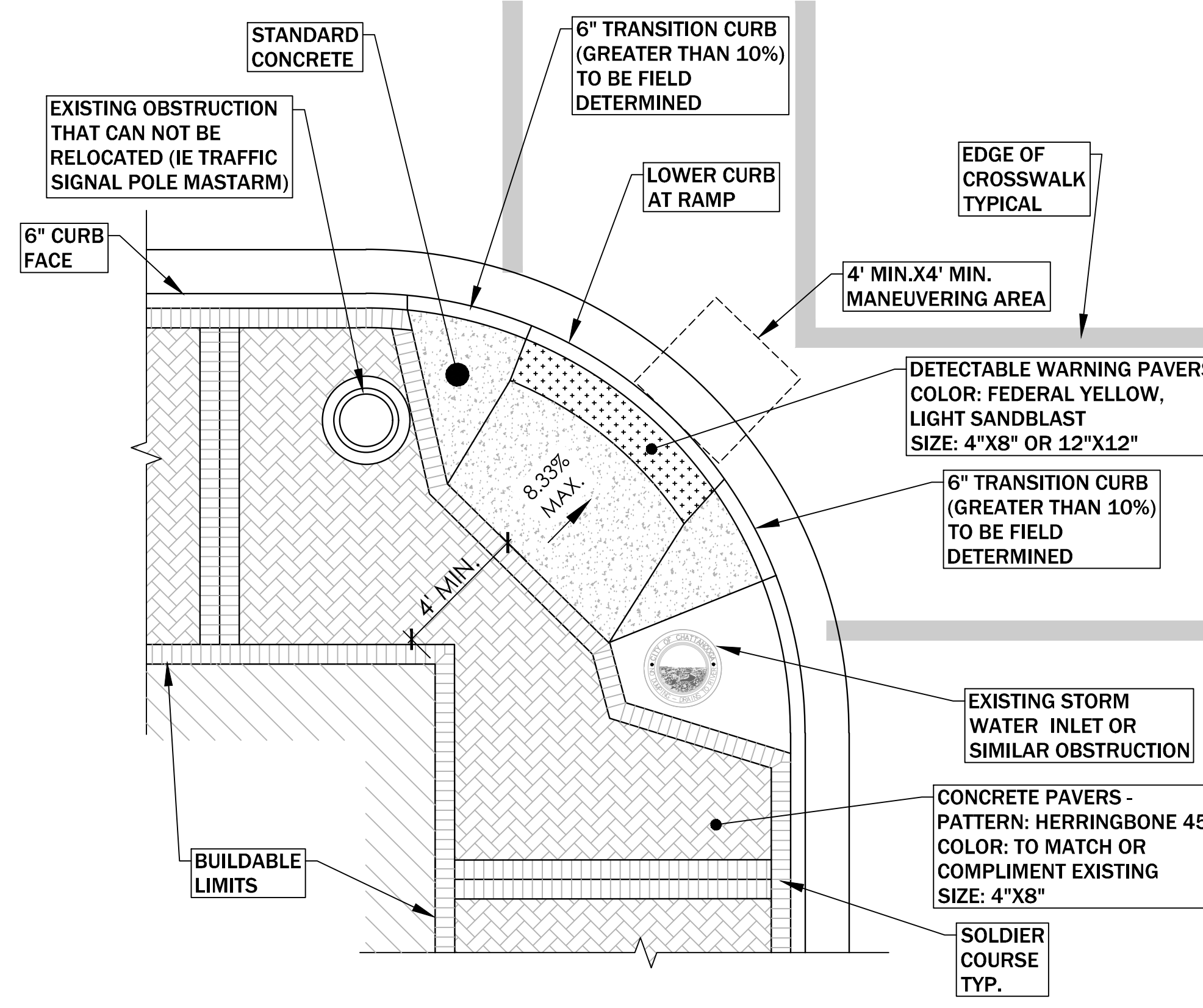
33

33 OF 36



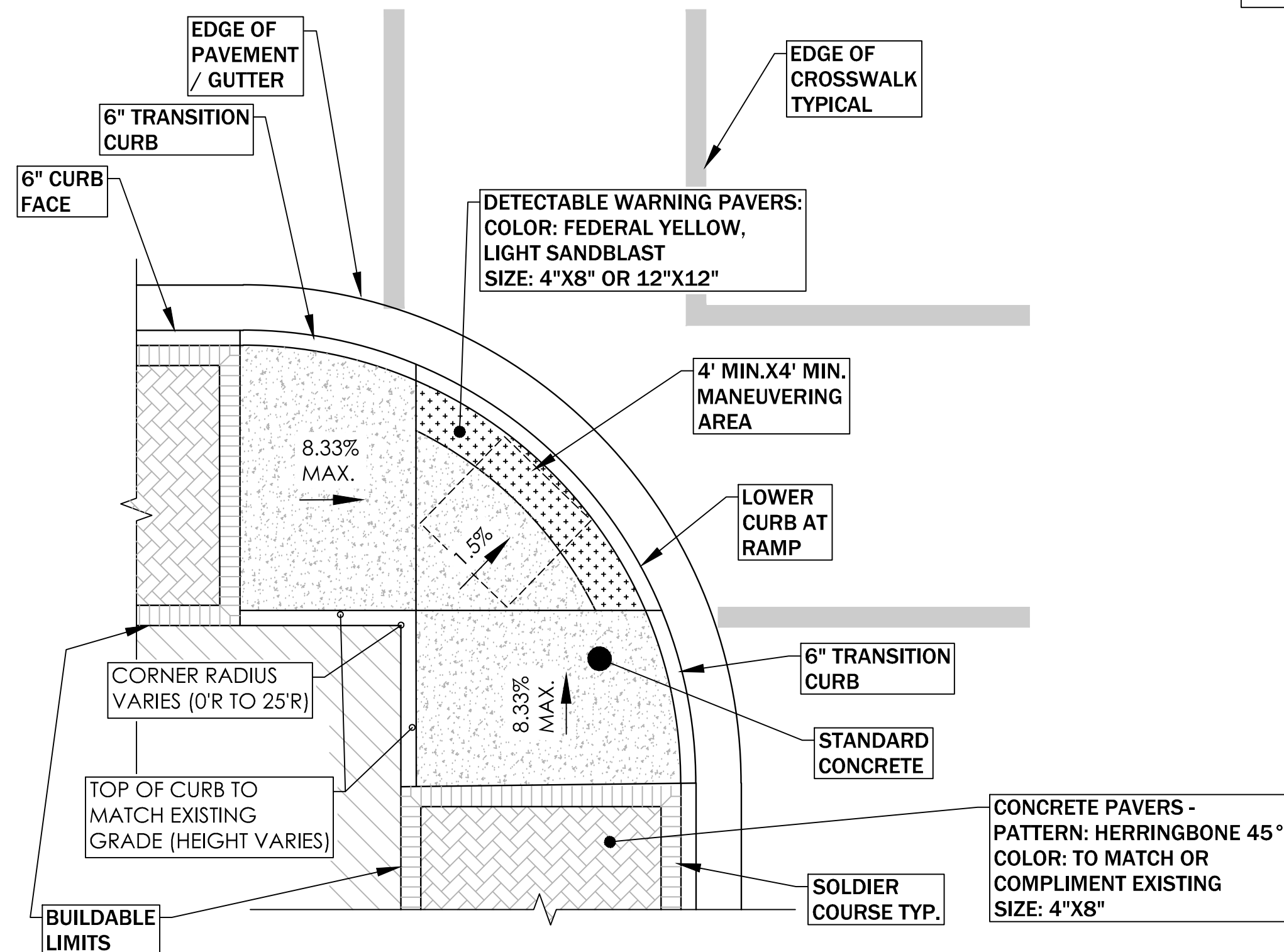
1 Curb Ramp with Side Flares

SCALE: 1"=3'



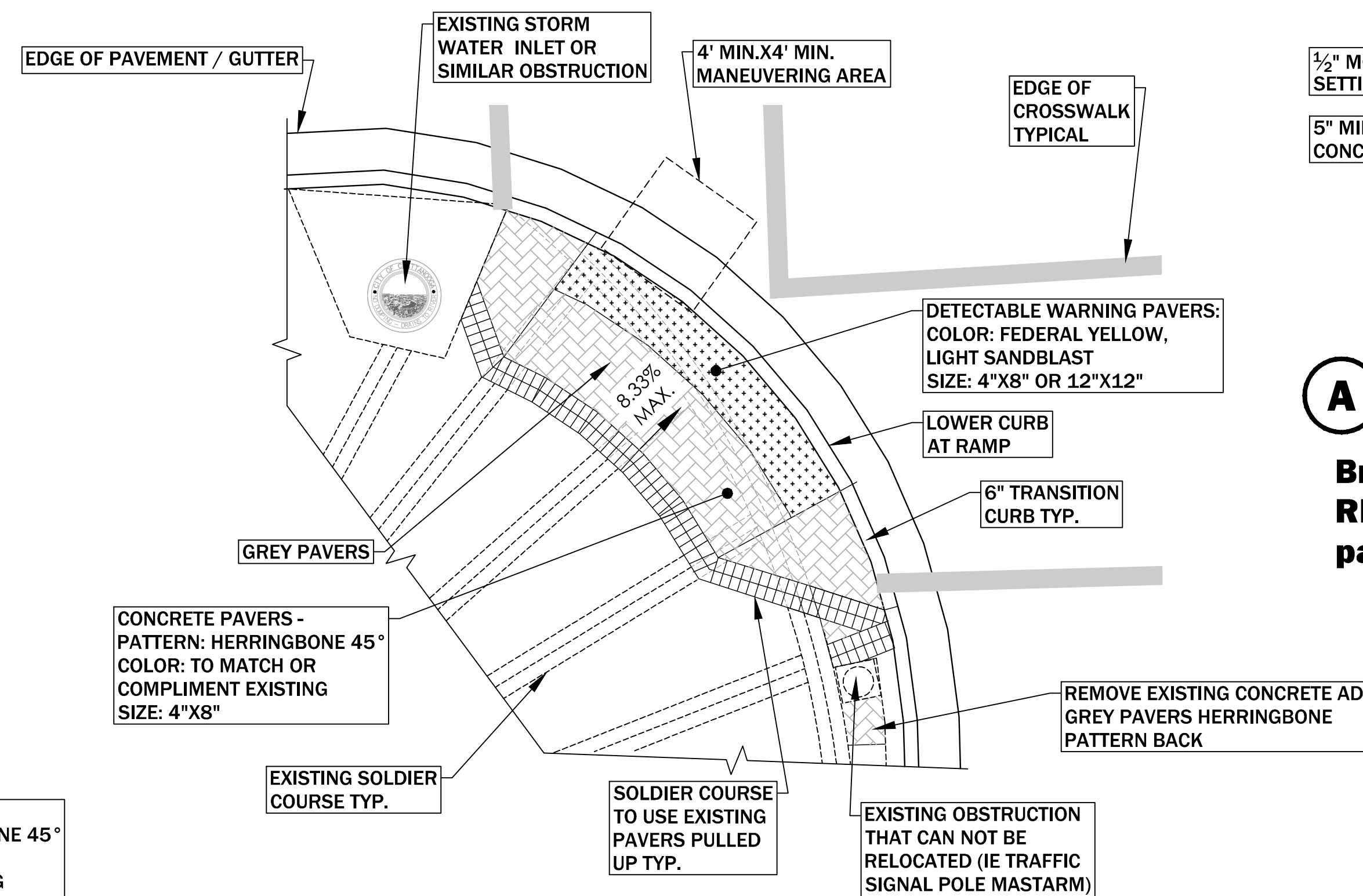
3 Curb Ramp with Obstructions

SCALE: 1"=3'



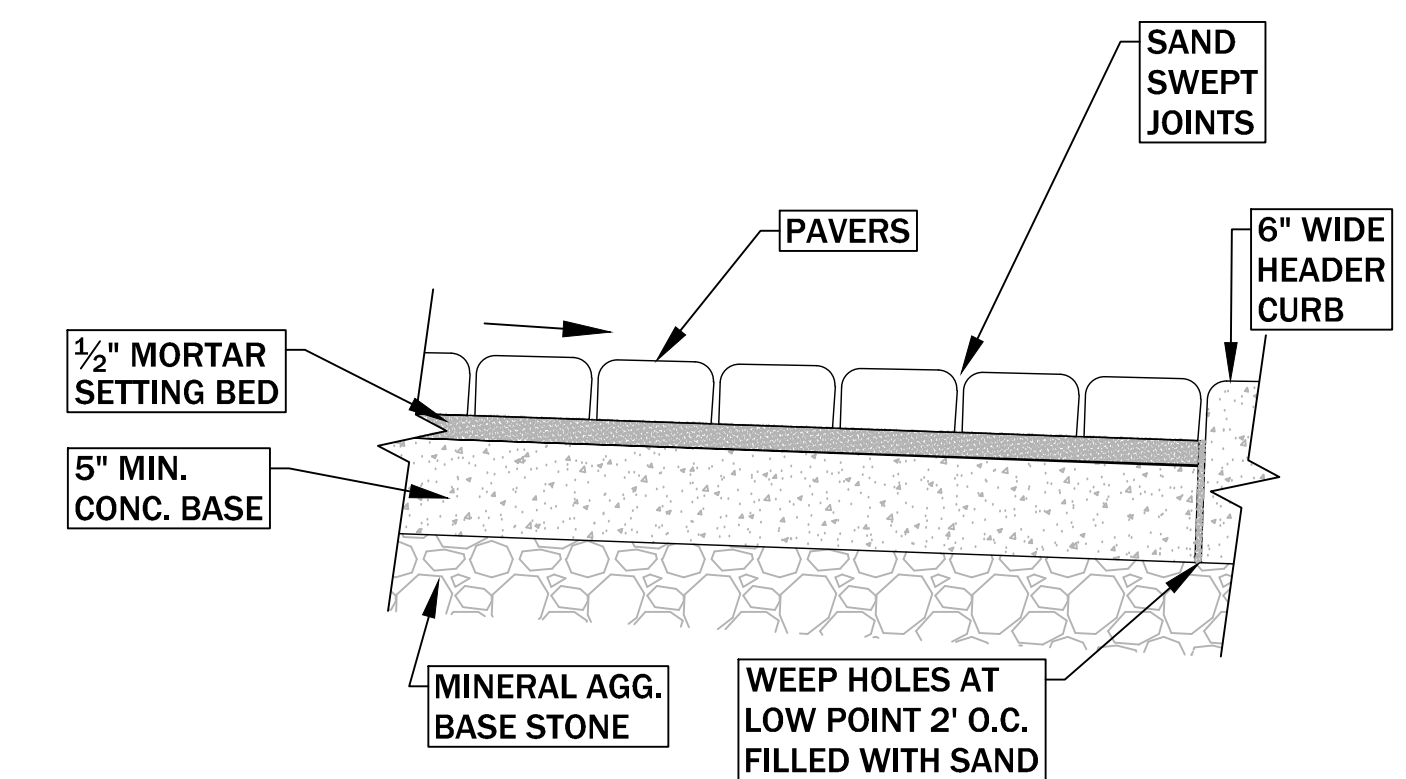
2 Curb Ramp with Lowered Corner

SCALE: 1"=3'



4 Curb Ramp at I-MAX

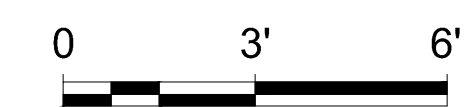
SCALE: 1"=3'



A Curb Ramp Paver - Section

SCALE: NTS

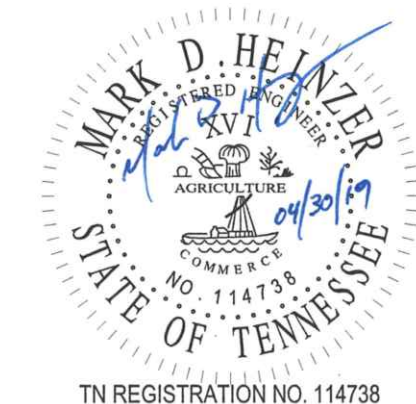
Brick pavers section is from detail from TDOT RP-R-2 truck apron with concrete or brick pavers and modified for corner curb ramps.



SCALE: 1"=3'

NOTES:

1. ALL CROSS SLOPE AT 1.5%, SHALL NOT BE GREATER THAN 2.00%.
2. SIDEWALK PAVERS SIZE, COLOR & PATTERN TO MATCH OR COMPLIMENT ADJACENT EXISTING PAVERS
3. TRUNCATED DOMES AREAS SHALL BE PAVERS, FEDERAL YELLOW COLOR BASED ON TDOT REQUIREMENTS.



TN REGISTRATION NO. 114738

TENN.	YEAR	SHEET NO.
	2017	34
	FED. AID PROJ. NO. STP-M-9202(115)	
	CHATTANOOGA PROJ. NO. T-15-035	
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
 DESIGN / ENGINEERING DIVISION
 1250 MARKET ST., SUITE 3000
 CHATTANOOGA, TN 37402

**BAILEY AVENUE RESURFACING
 PROPOSED SIGNAL LAYOUT
 BAILEY AVENUE AT HIGHLAND PARK AVENUE**

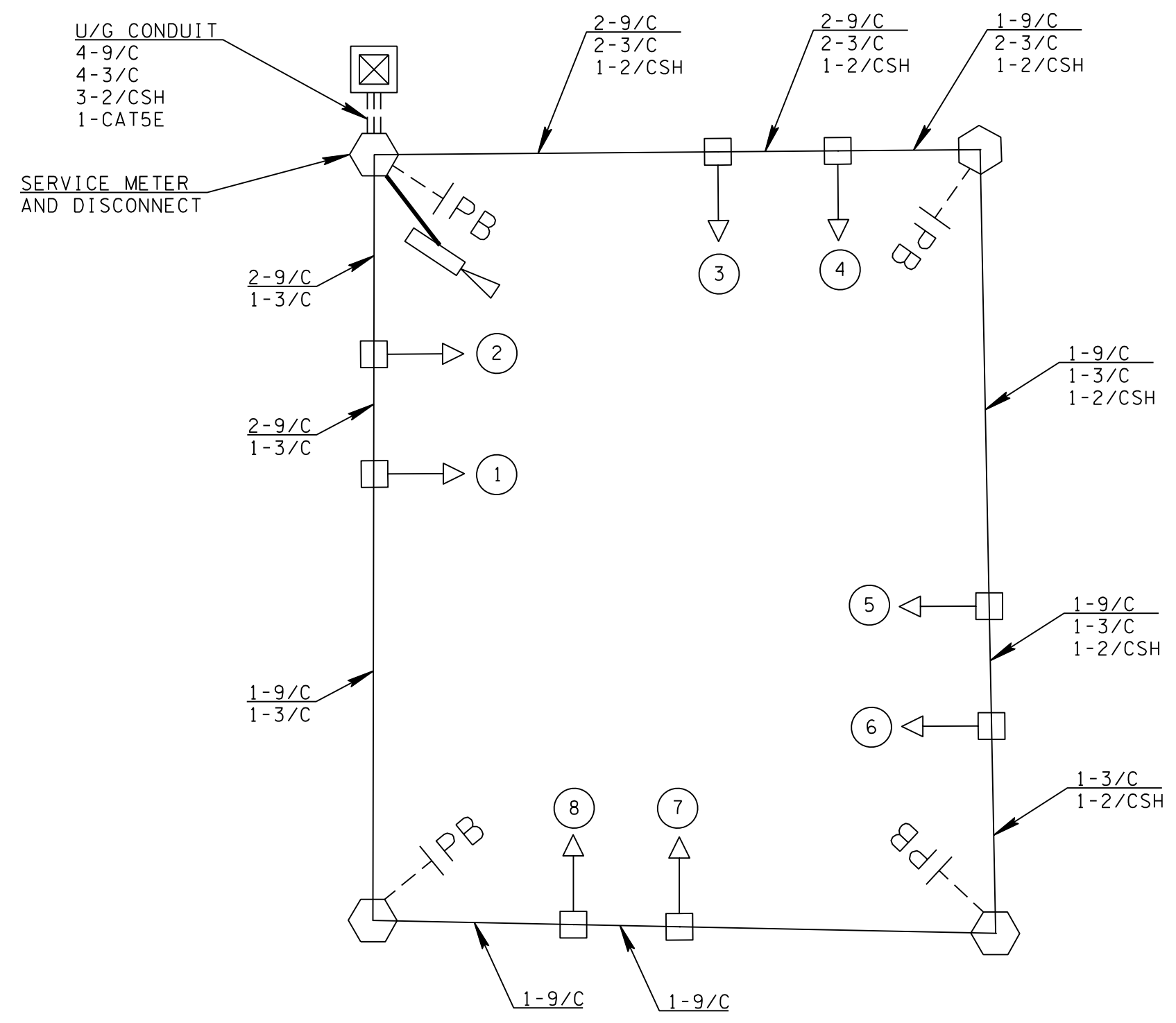
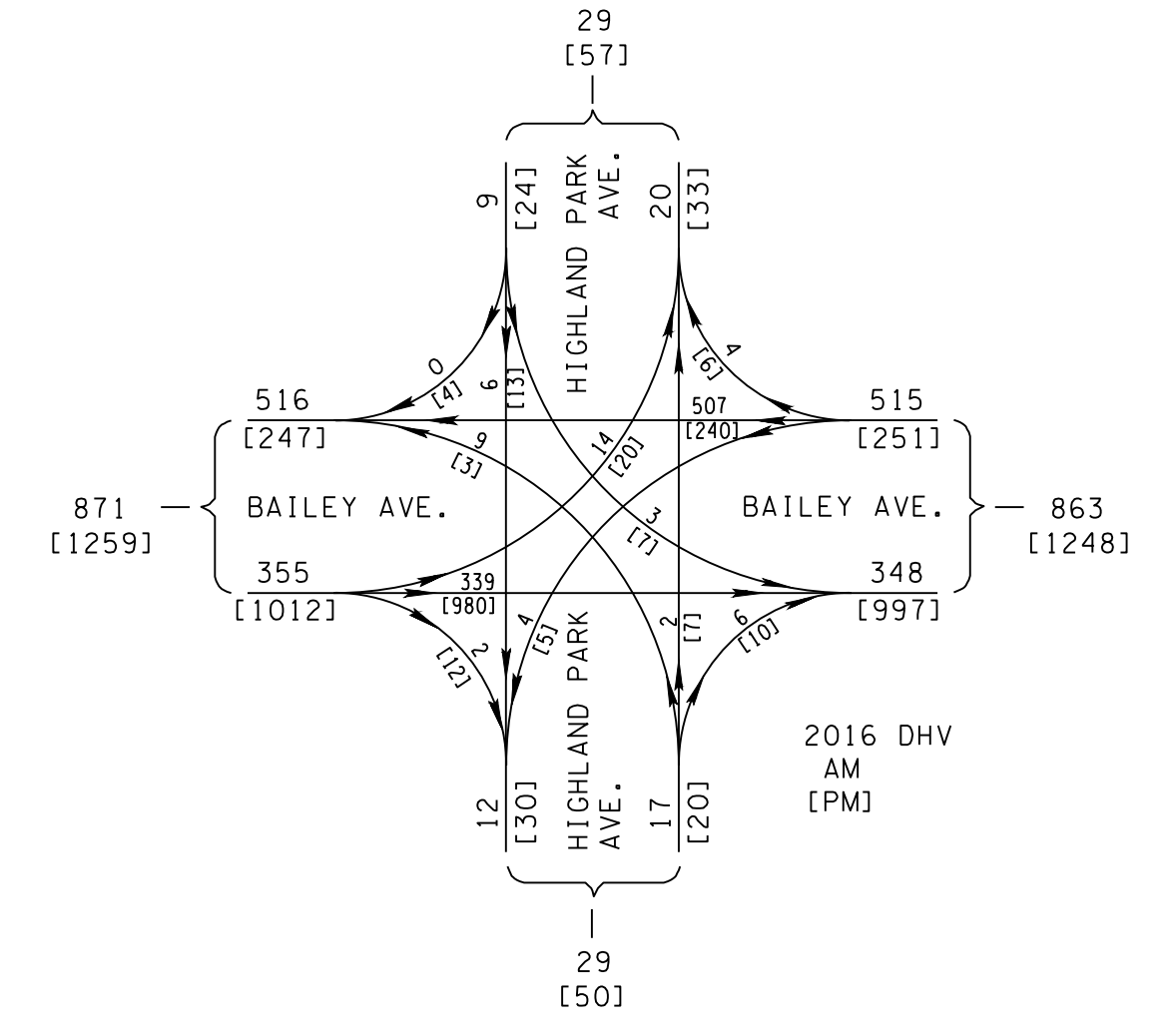
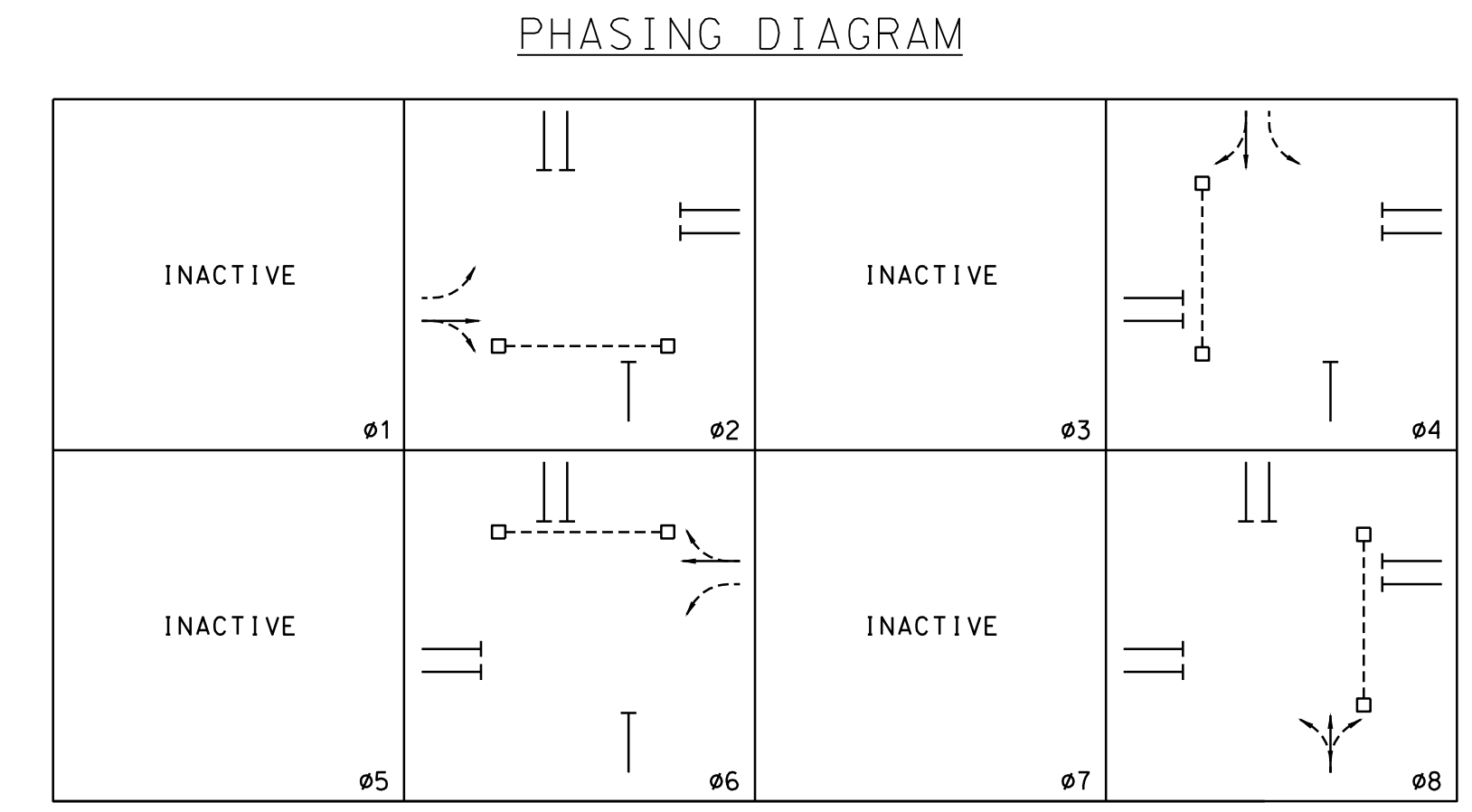
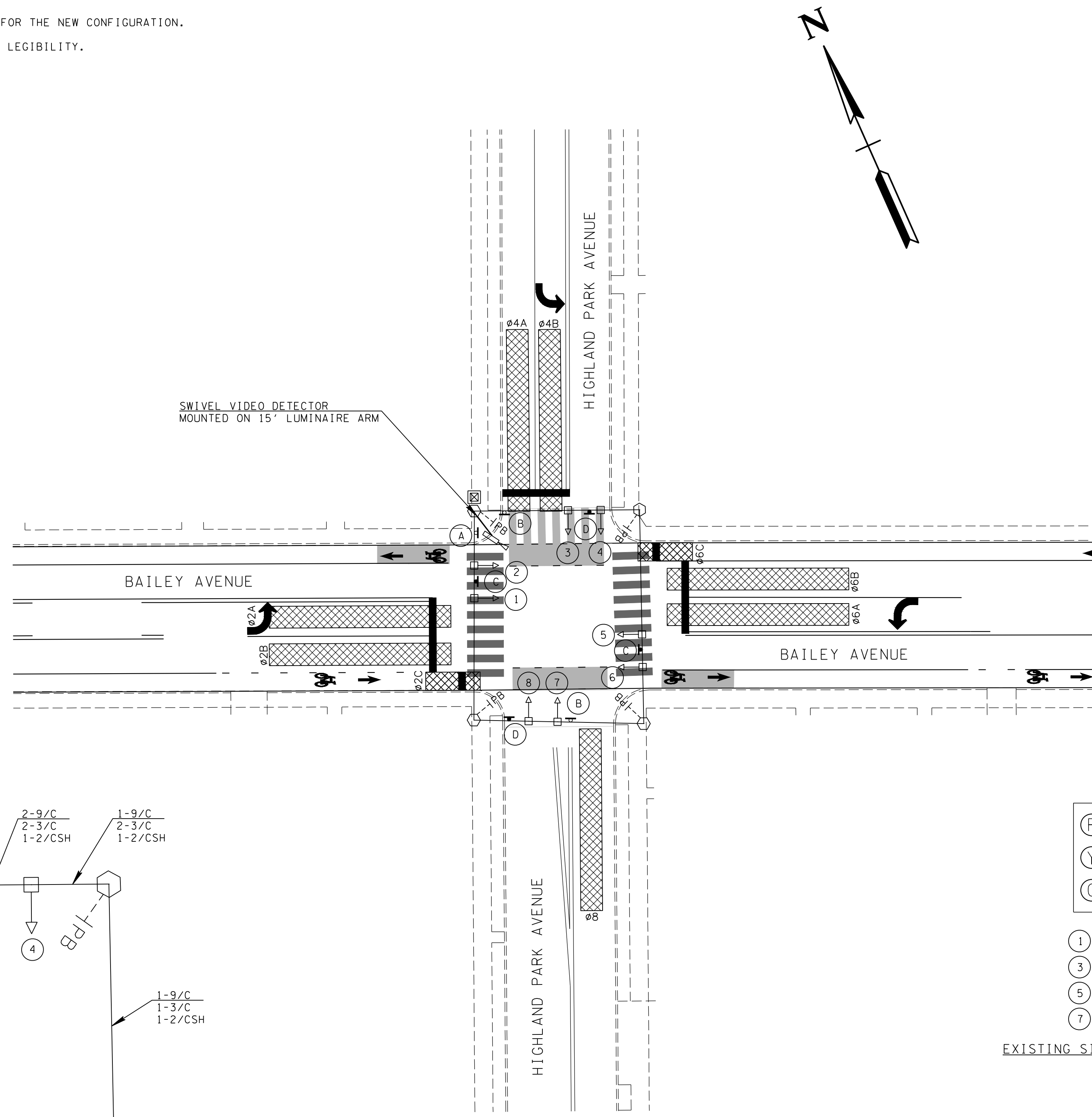
SHEET NUMBER

34

34 OF 36

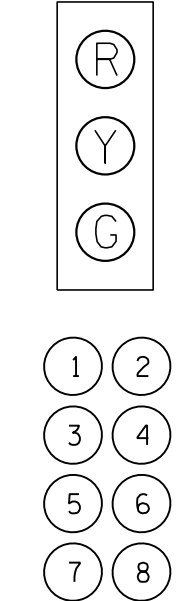
- NOTES:**
1. ALL EXISTING LOOP DETECTORS SHALL BE ABANDONED.
 2. THE CITY OF CHATTANOOGA WILL PROVIDE FINAL SIGNAL TIMINGS FOR THE NEW CONFIGURATION.
 3. PEDESTRIAN & BICYCLE CROSSINGS HAVE BEEN SCREENED FOR PLAN LEGIBILITY.

VIDEO DETECTION ZONES		
ZONE	DESCRIPTION	SIZE
ø2A	DELAY (5 SEC.)	6'x50'
ø2B	PRESENCE	6'x50'
ø2C	PRESENCE	6'x15'
ø4A	PRESENCE	6'x50'
ø4B	DELAY (5 SEC.)	6'x50'
ø6A	DELAY (5 SEC.)	6'x50'
ø6B	PRESENCE	6'x50'
ø6C	PRESENCE	6'x15'
ø8	PRESENCE	6'x50'

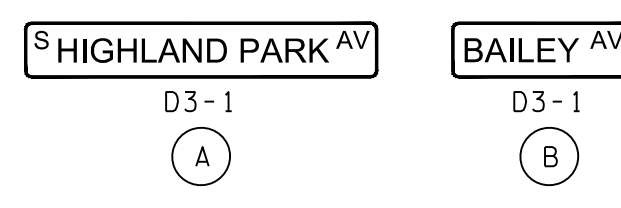


WIRING DIAGRAM

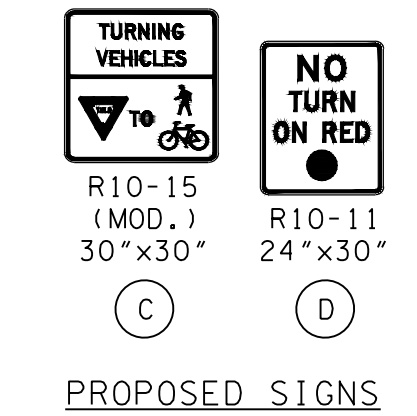
(EXISTING WIRING AND CONDUITS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FIELD CONDITIONS MAY VARY.)



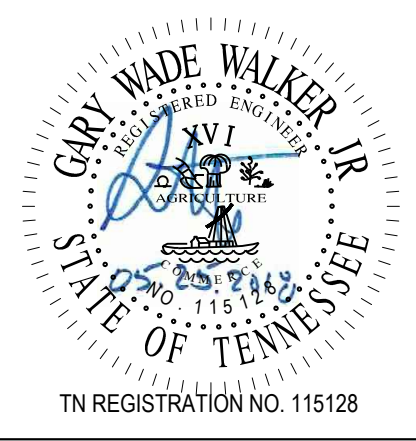
EXISTING SIGNAL HEADS



EXISTING SIGNS



PROPOSED SIGNS

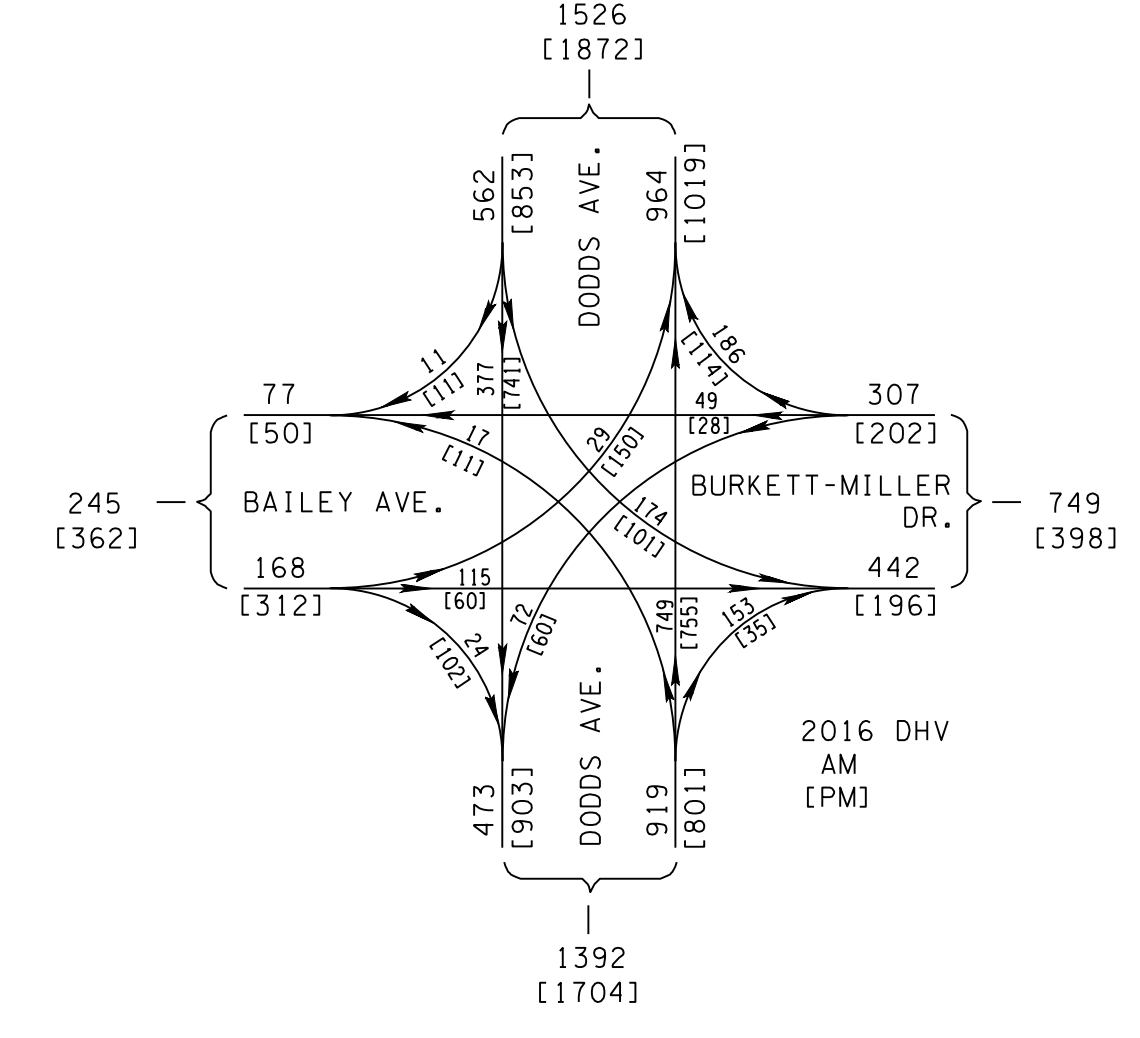


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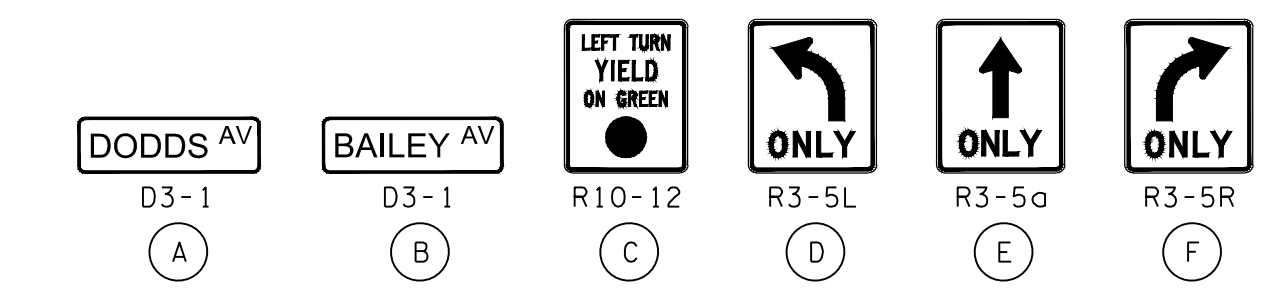
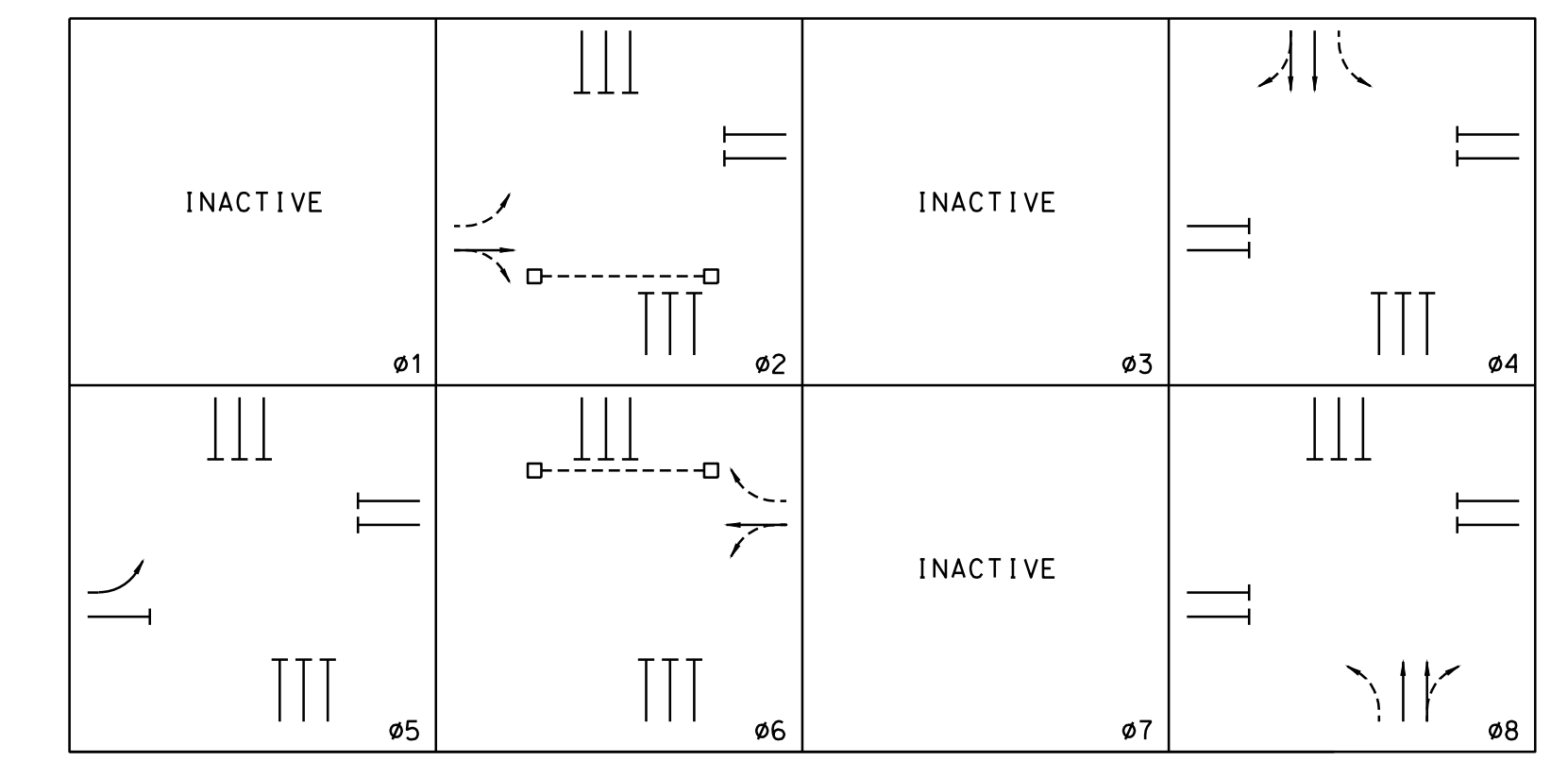
TENN.	YEAR	SHEET NO.
	2017	35
FED. AID PROJ. NO. STP-M-9202(115)		
CHATTANOOGA PROJ. NO. T-15-035		
STATE PROJ. NO. (SPN): 33LPLM-F3-127		

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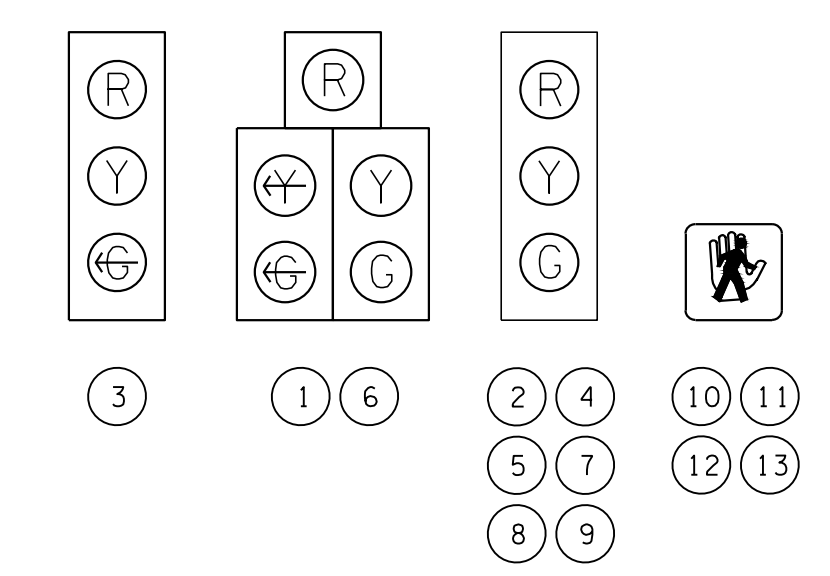
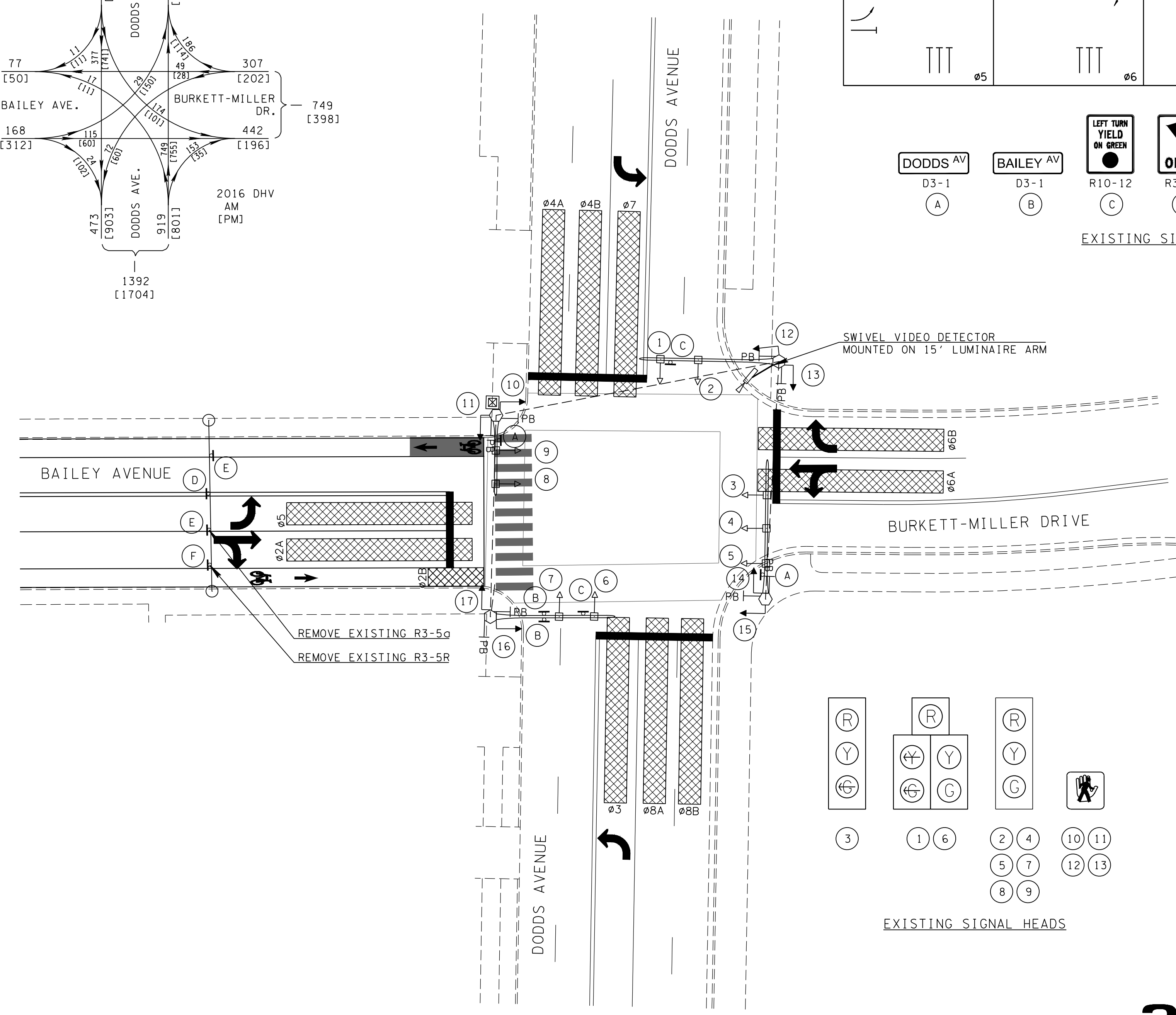
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ZONE	DESCRIPTION	SIZE
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ø4A	PRESENCE	6'x50'
ø4B	PRESENCE	6'x50'
ø5	DELAY (5 SEC.)	6'x50'
ø6A	DELAY (5 SEC.)	6'x50'
ø6B	PRESENCE	6'x50'
ø7	DELAY (5 SEC.)	6'x50'
ø8A	PRESENCE	6'x50'
ø8B	PRESENCE	6'x50'



PHASING DIAGRAM

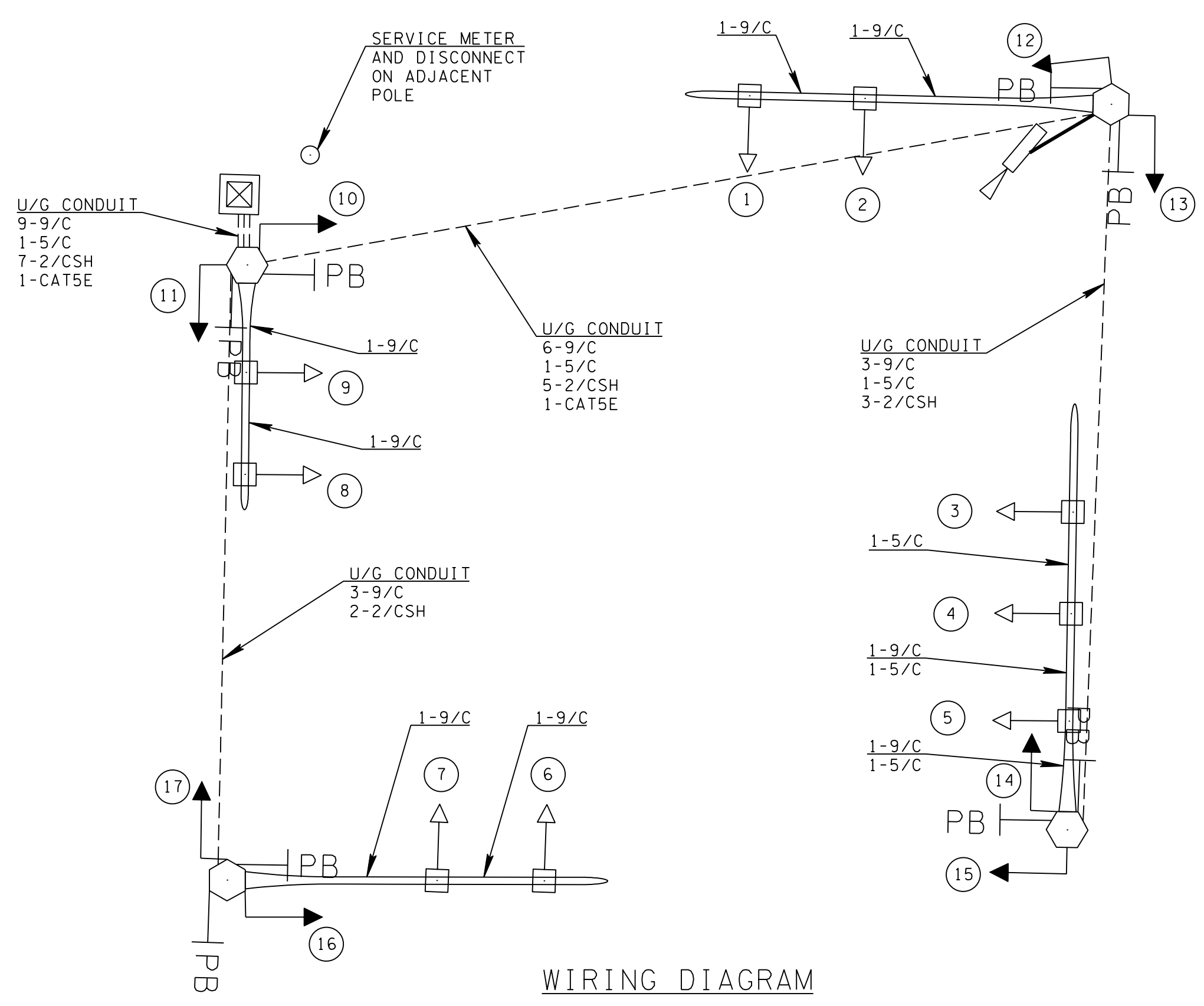


EXISTING SIGNS



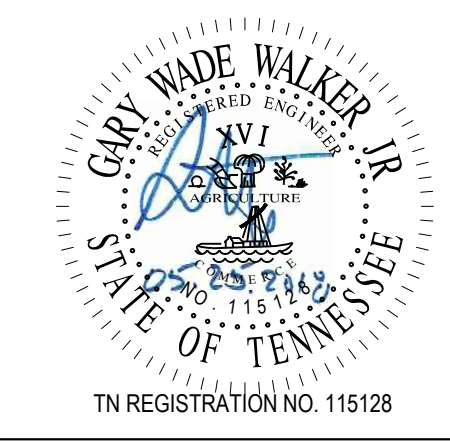
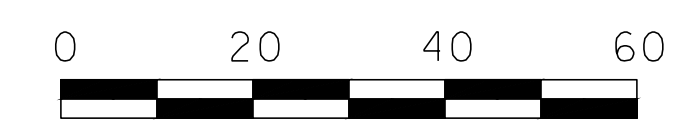
EXISTING SIGNAL HEADS

PROPOSED SIGNAL HEADS



WIRING DIAGRAM

(EXISTING WIRING AND CONDUITS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FIELD CONDITIONS MAY VARY.)



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**BAILEY AVENUE RESURFACING
 PROPOSED SIGNAL LAYOUT
 BAILEY AVENUE AT DODDS AVENUE**

SHEET NUMBER

35

35 OF 36

TENN.	YEAR	SHEET NO.
	2017	36
FED. AID PROJ. NO. STP-M-9202(115)		
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CITY OF CHATTANOOGA DEPT. OF TRANSPORTATION
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 CHATTANOOGA, TN 37402

**BAILEY AVENUE RESURFACING
 PROPOSED SIGNAL LAYOUT
 BAILEY AVENUE AT MCCALLIE AVENUE**

SHEET NUMBER

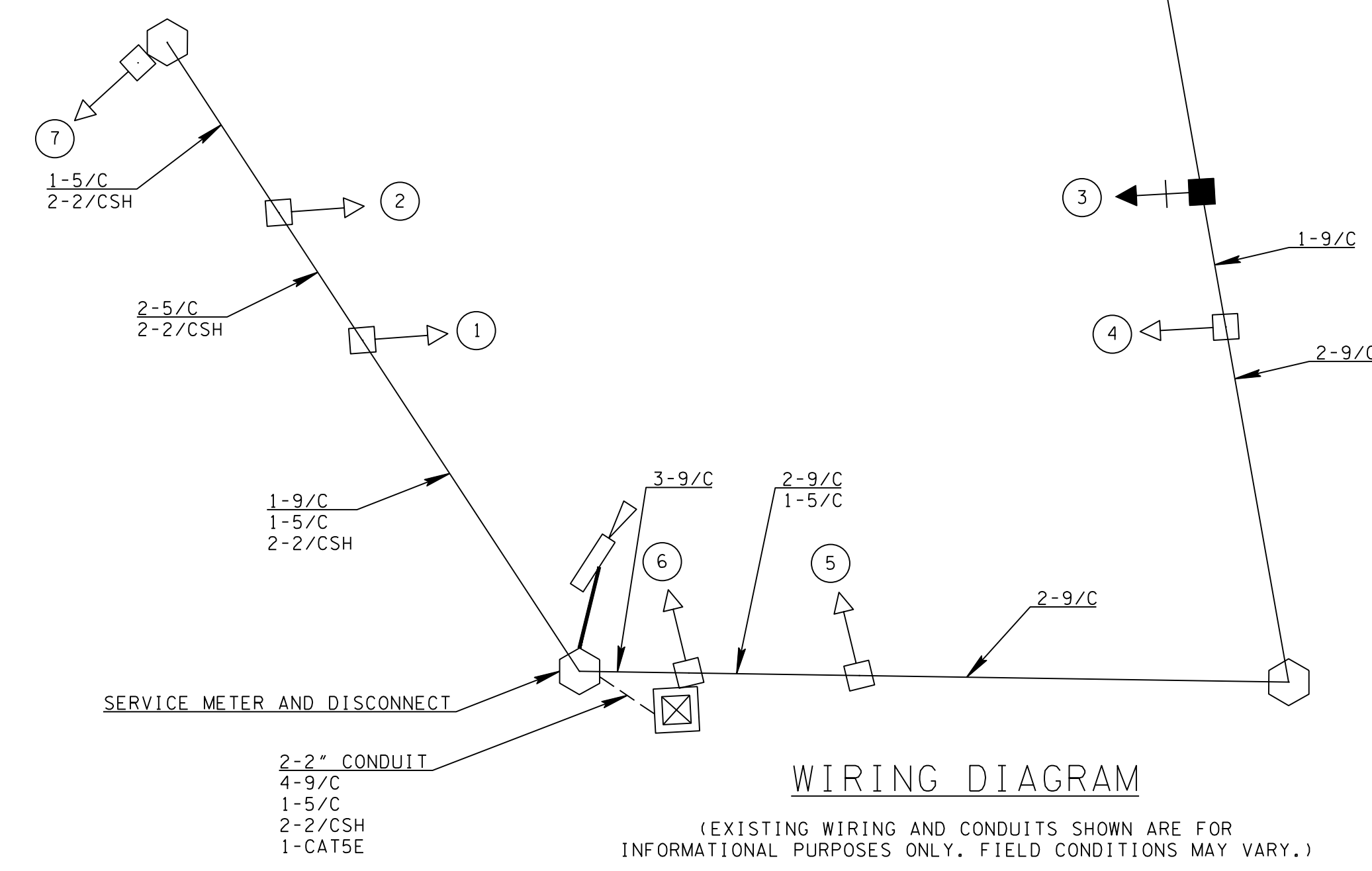
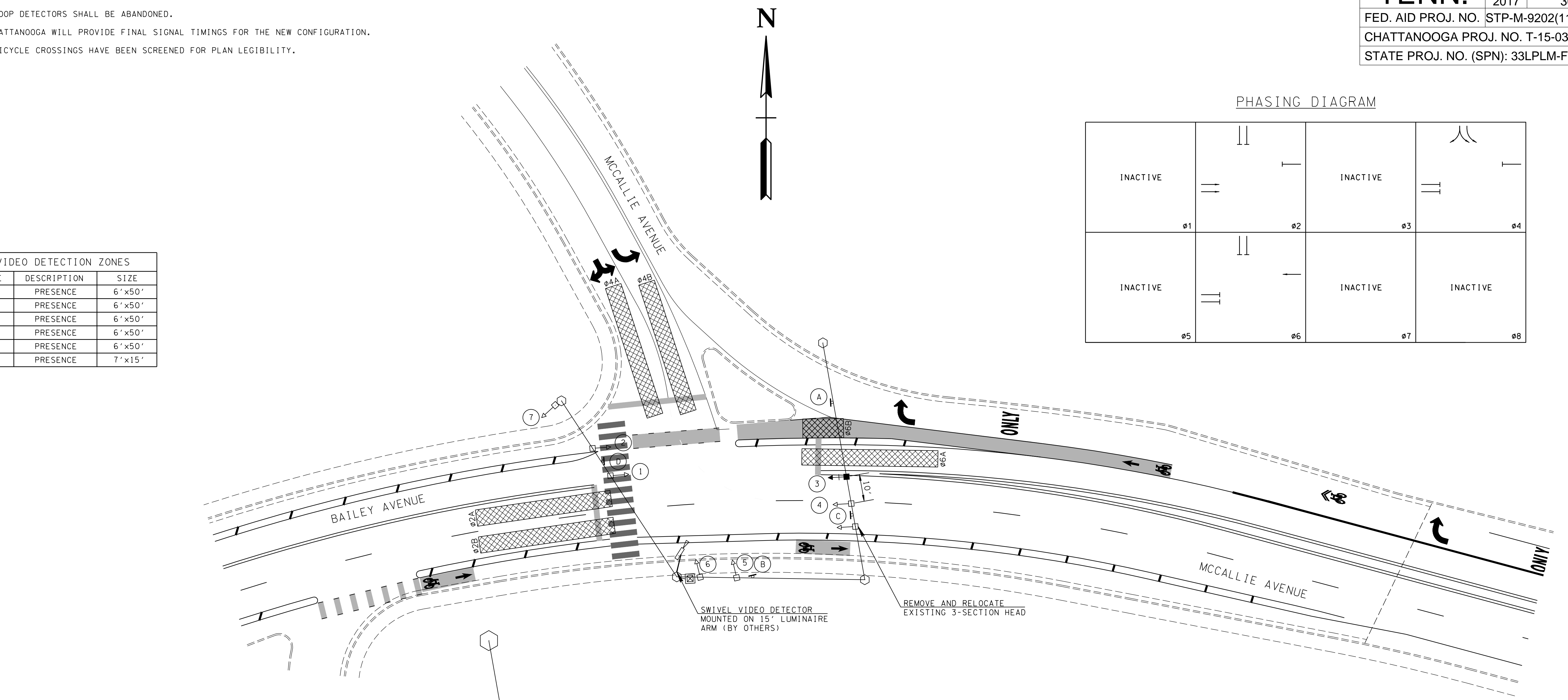
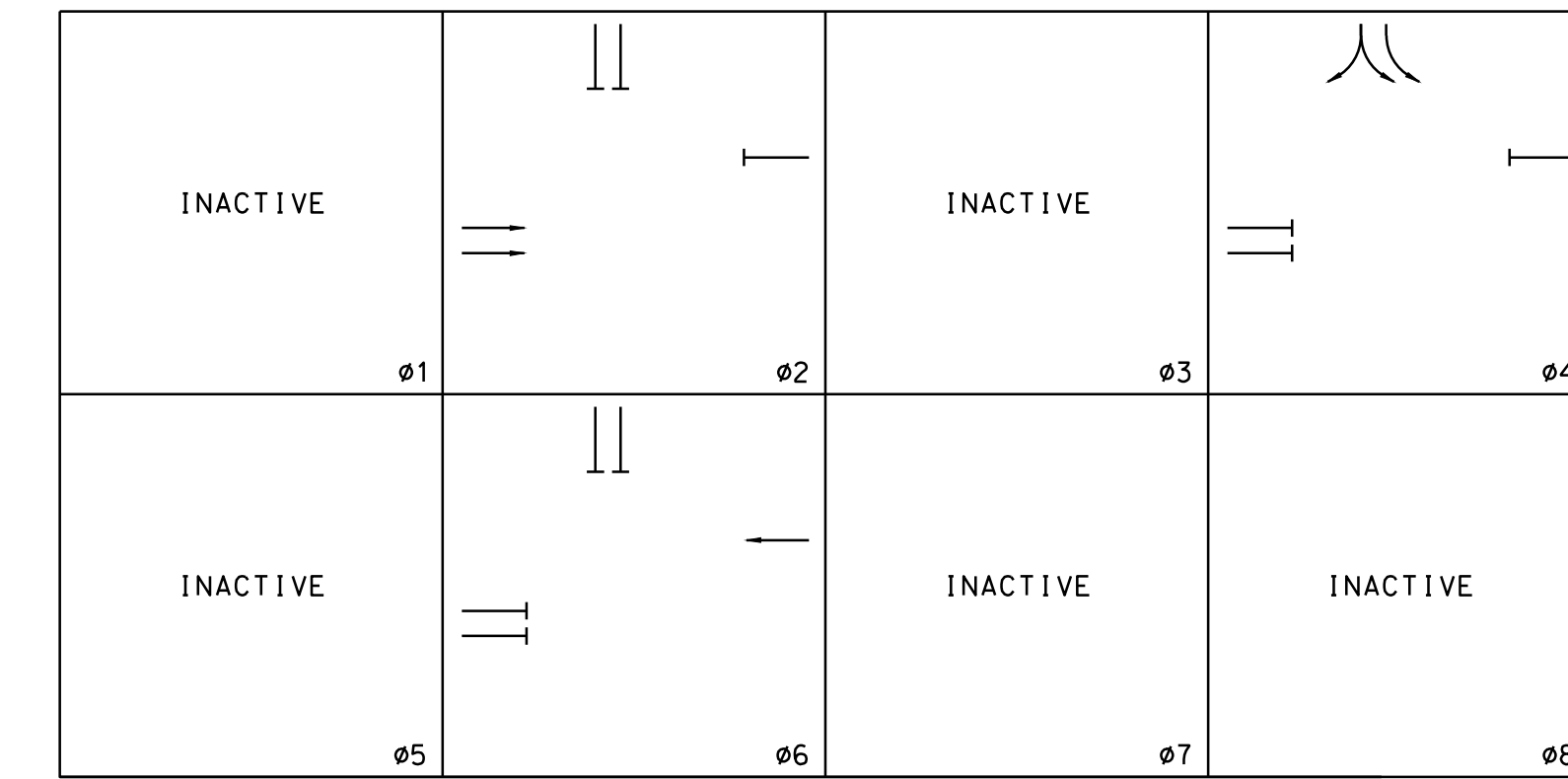
36

36 OF 36

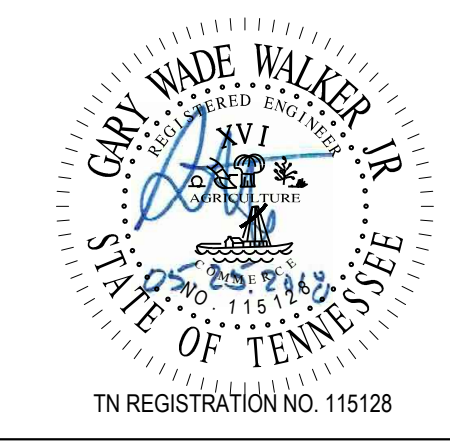
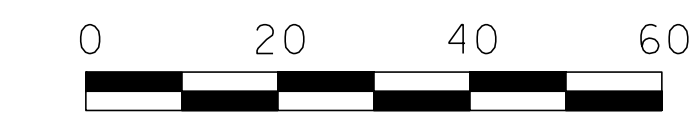
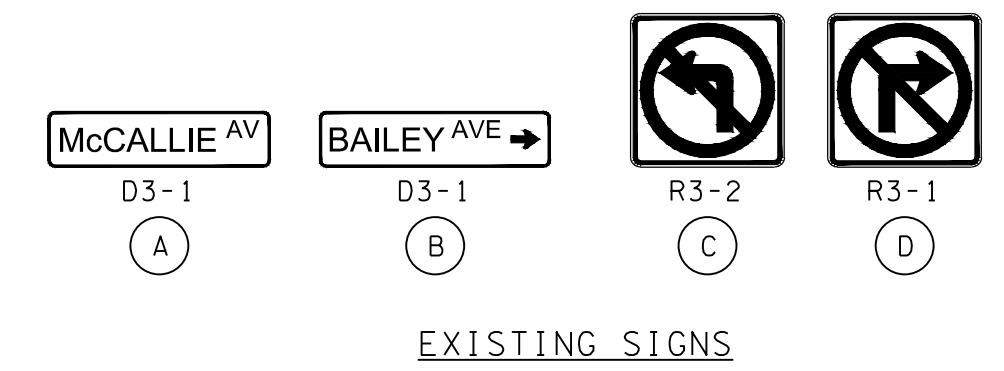
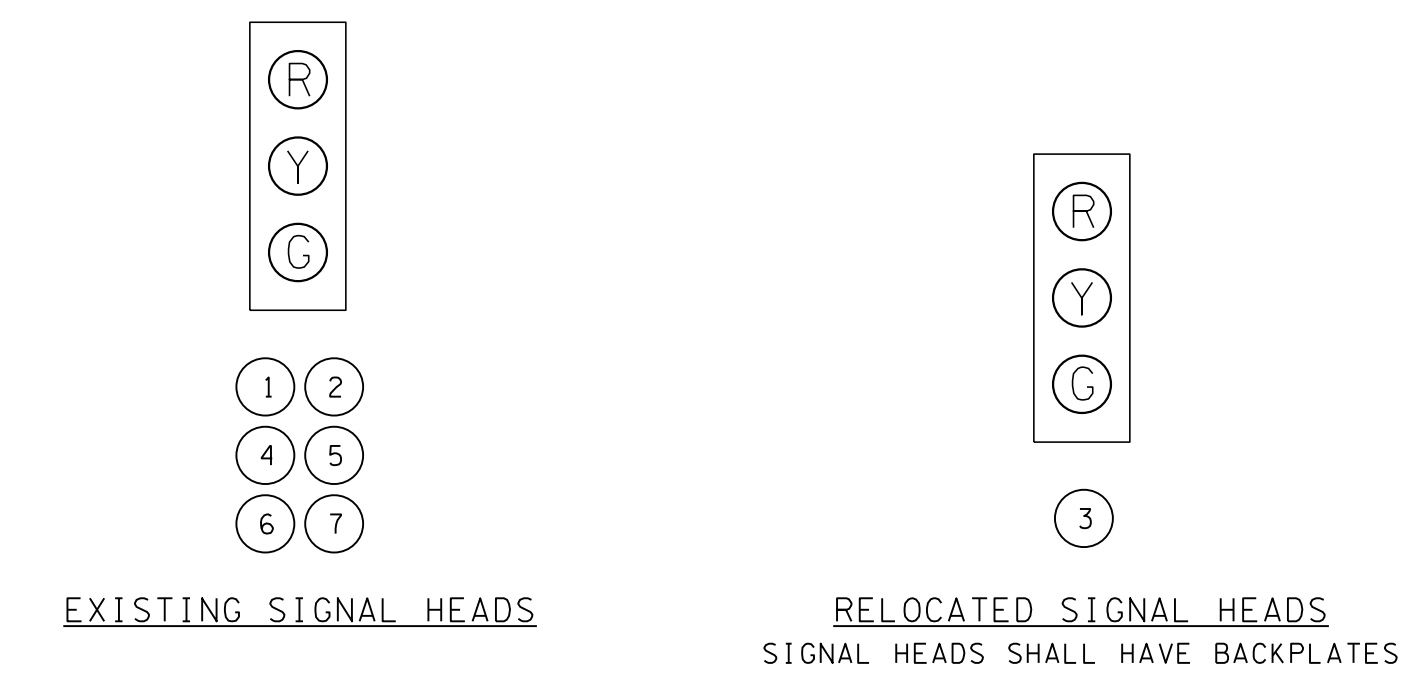
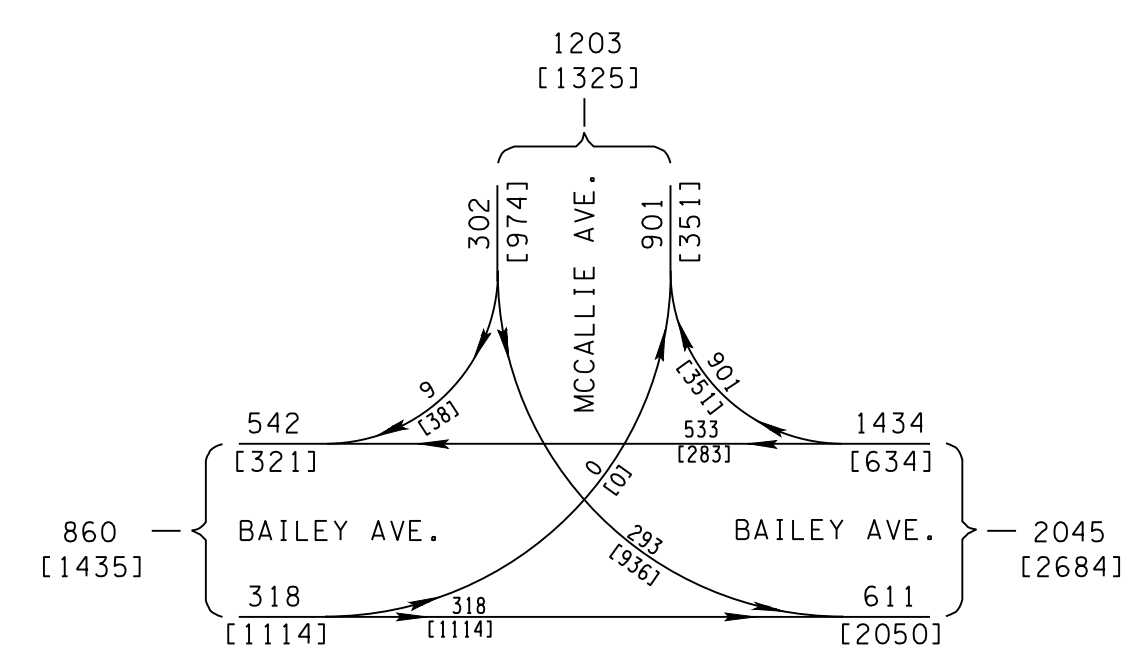
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ø4B	PRESENCE	6' x 50'
ø6	PRESENCE	6' x 50'
ø6B	PRESENCE	7' x 15'

PHASING DIAGRAM



WIRING DIAGRAM
 (EXISTING WIRING AND CONDUITS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. FIELD CONDITIONS MAY VARY.)



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