

DEPARTMENT OF TRANSPORTATION

CITY OF ATLANTA

PLAN OF PROPOSED

LOCAL MAINTENANCE IMPROVEMENT GRANT 2021

RESURFACING AND RESTRIPING - BOLTON RD

PROJECT LOCATION:
BOLTON RD - PARROT AVE (EAST) TO BARNETT DR

FULTON COUNTY

FEDERAL ROUTE * N/A

STATE ROUTE * N/A

PROJECT NO. 3057



PROJECT NARRATIVE:
THE PROPOSED PROJECT IS A RESURFACING AND RESTRIPING OF BOLTON RD NW. THE TYPICAL SECTION WILL INCLUDE 11 TRAVEL LANES.

NOTE :
These plans have been prepared in accordance with the 2023 Construction Standards and Details Book and attached applicable revisions. The 2023 Construction Standards and Details Book is available at:
<http://mydocs.dot.ga.gov/Info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx> Any revisions contained within this plan set supersede the 2023 Construction Standards and Details Book which they revise or in which there is a conflict.

APPROVED BY: _____
DEPUTY COMMISSIONER, OFFICE OF CAPITAL PROJECTS

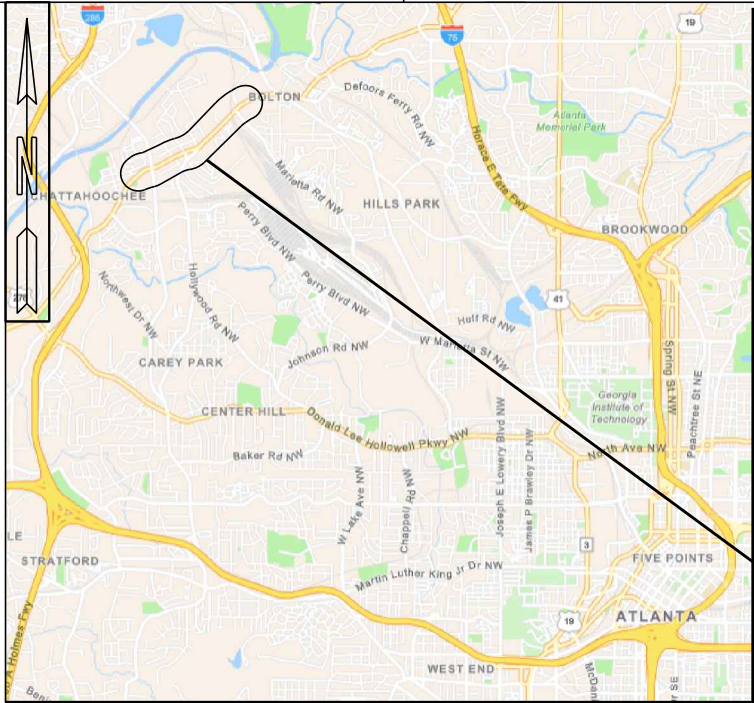
RECOMMENDED FOR APPROVAL BY: _____
ATLDOT PLAN REVIEW COORDINATOR

RECOMMENDED FOR APPROVAL BY: _____
CONSTRUCTION PROJECT MANAGER

PLANS PREPARED BY: **CITY OF ATLANTA**
D **T**
DEPARTMENT OF TRANSPORTATION
55 TRINITY AVE SW
SUITE 4400
(404) 330-6165

DATE	ENGINEER
PLANS COMPLETED	
REVISIONS	

DRAWING No.
01-0002



LOCATION SKETCH - NTS

DESIGN DATA:
TRAFFIC A.A.D.T.: 16,900 - BOLTON RD
TRAFFIC D.H.V.: N/A
DIRECTIONAL DIST: N/A
% TRUCKS: N/A
24 HR. TRUCKS %: N/A
SPEED DESIGN: 35 - BOLTON RD

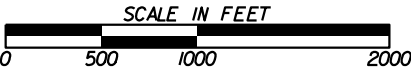
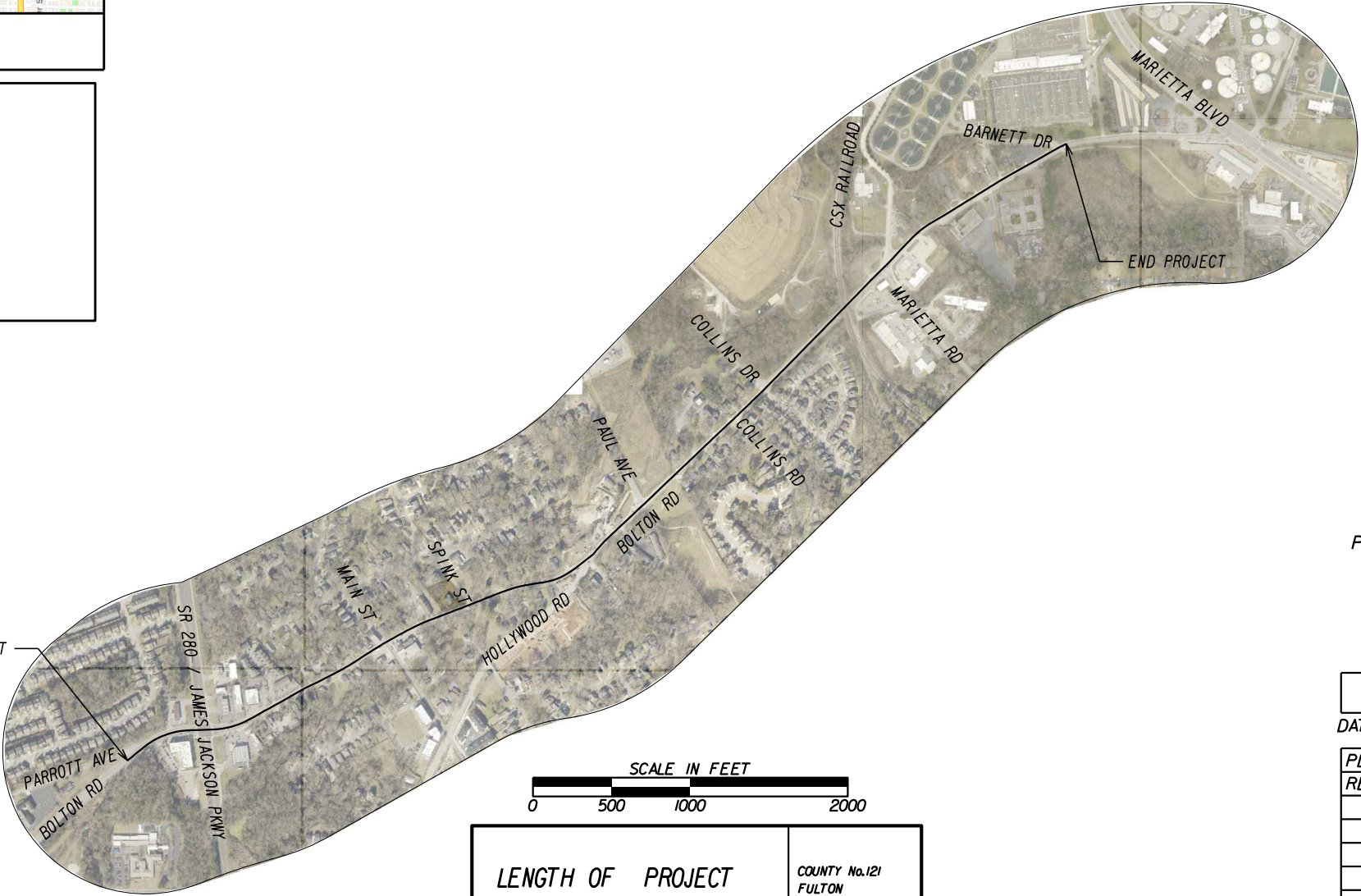
LOCATION & DESIGN
APPROVAL DATE: N/A

FUNCTIONAL CLASS:
MINOR ARTERIAL - BOLTON RD

PROJECT DESIGNATION: EXEMPT

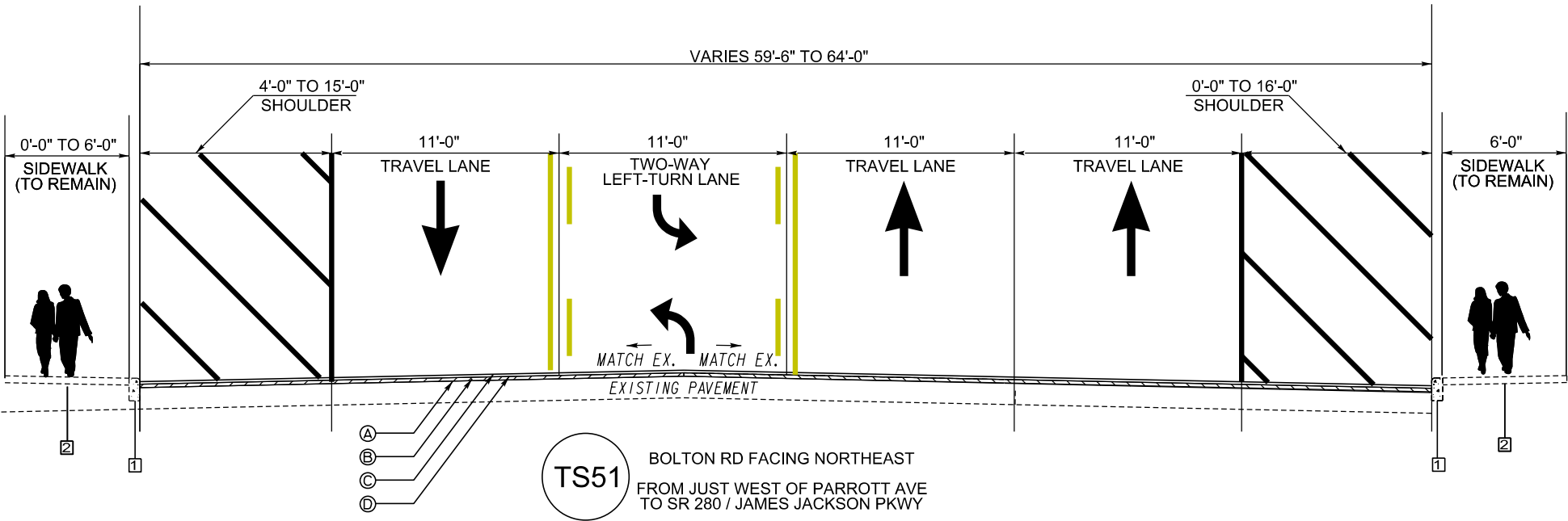
THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.



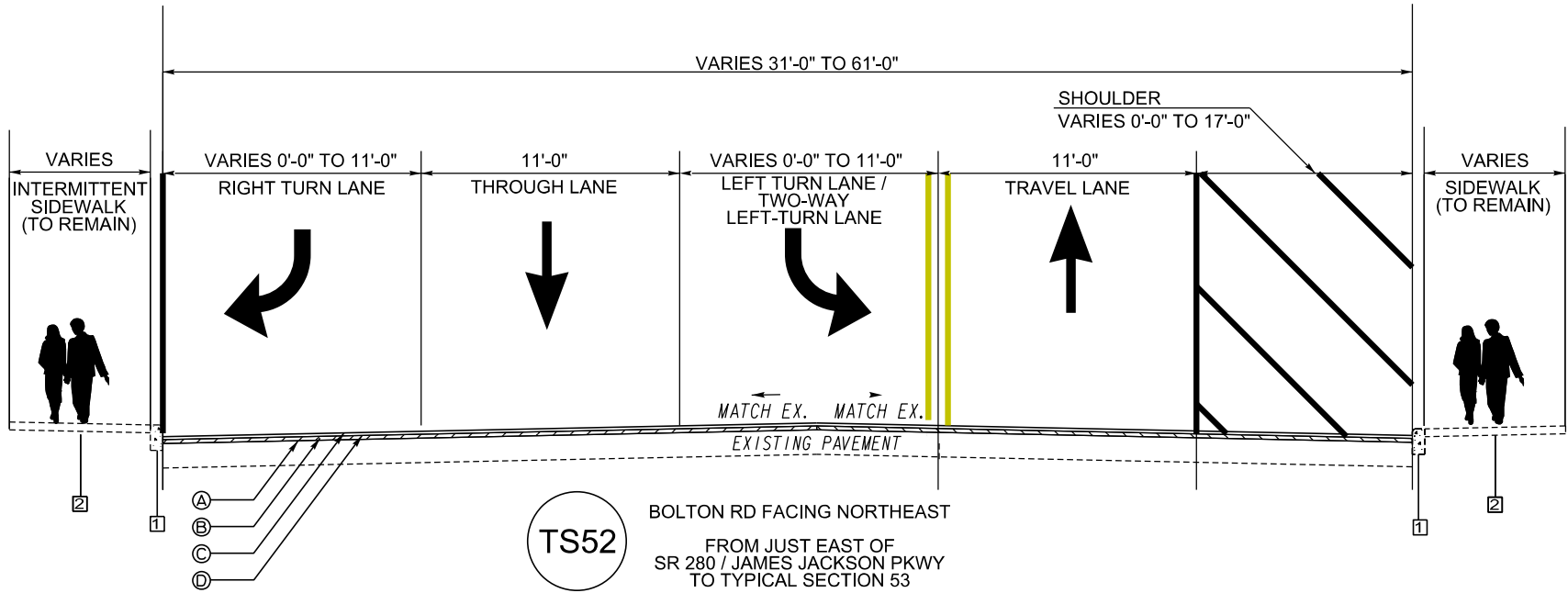
LENGTH OF PROJECT	COUNTY No. 121 FULTON
	MILES
NET LENGTH OF ROADWAY	1.29
NET LENGTH OF BRIDGES	N/A
NET LENGTH OF PROJECT	
NET LENGTH OF EXCEPTIONS	
GROSS LENGTH OF PROJECT	1.29

[illegible]



LEGEND

- A MILL ASPHALTIC CONCRETE PAVEMENT, VARIABLE DEPTH
- B 2" THICK COURSE - RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 220 LBS/SY
- C 1.5" THICK COURSE - RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY
- D TACK COAT
- 1 IN-PLACE GRANITE OR CONCRETE CURB (RETAIN) SEE NOTE 1
- 2 IN-PLACE CONCRETE SIDEWALK (RETAIN) SEE NOTE 2



NOTES:

- SEE PLAN SHEETS FOR PROPOSED HEADER CURB OR CURB AND GUTTER LOCATIONS
- SEE PLAN SHEETS FOR PROPOSED SIDEWALK LOCATIONS



REVISION DATES

TYPICAL SECTIONS

LMIG 2021
BOLTON RD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

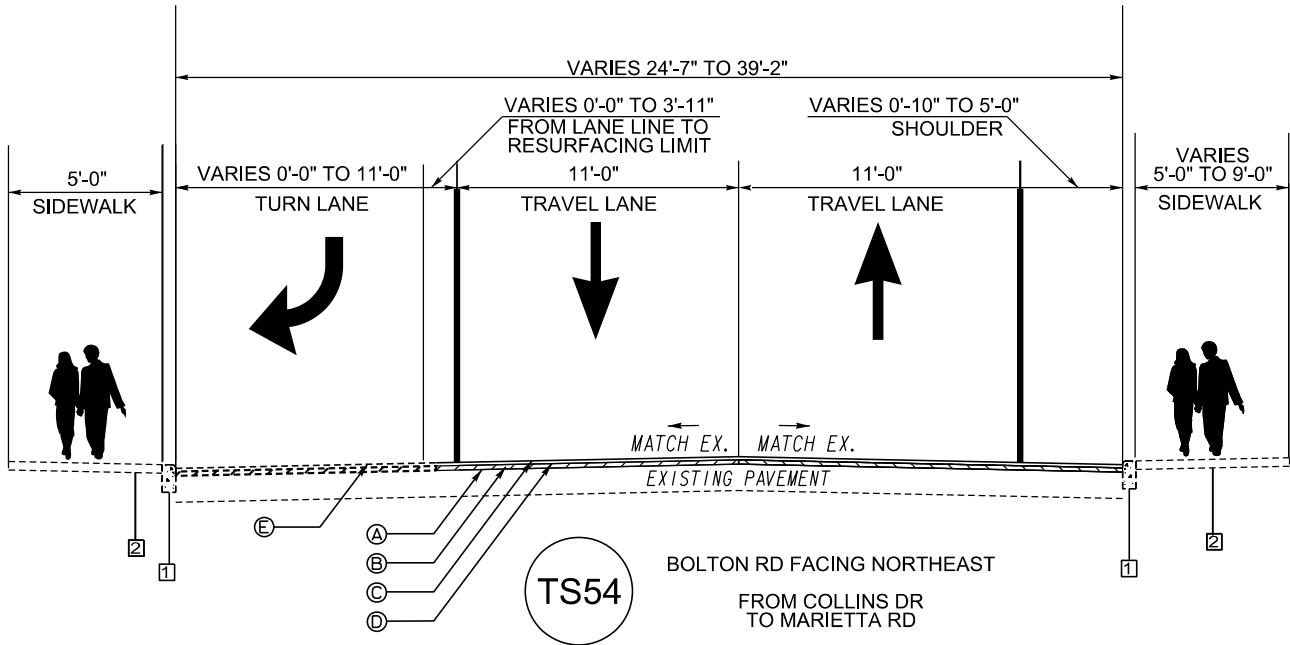
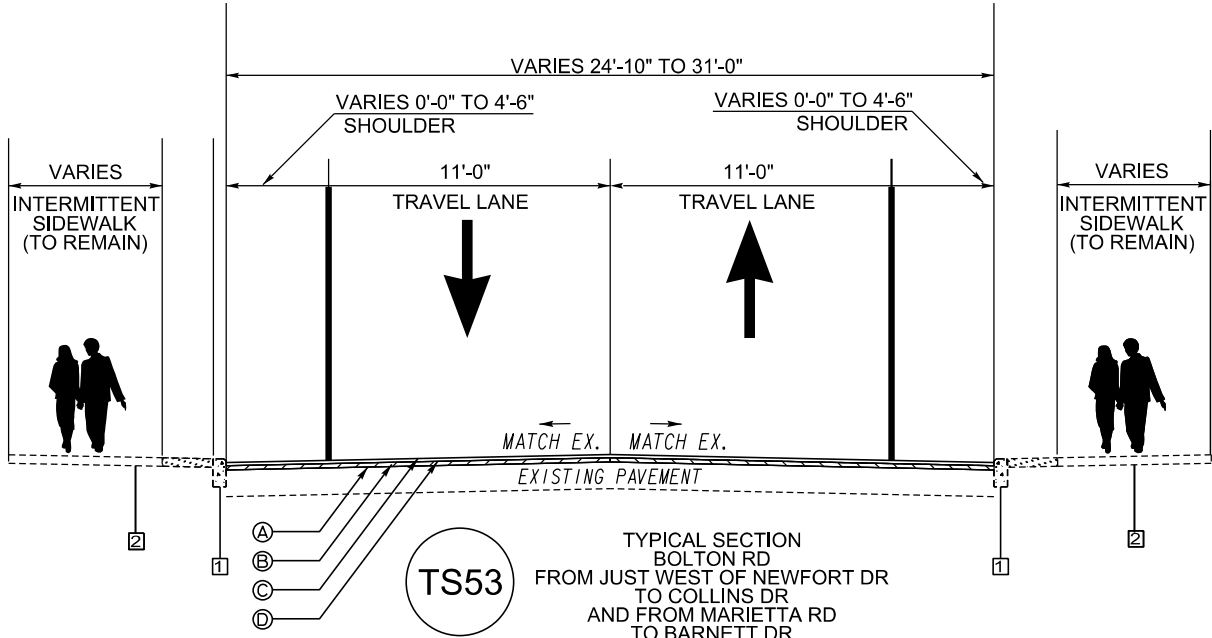
05-0008A

LEGEND

- Ⓐ MILL ASPHALTIC CONCRETE PAVEMENT, VARIABLE DEPTH
- Ⓑ 2" THICK COURSE - RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 220 LBS/SY
- Ⓒ 1.5" THICK COURSE - RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY
- Ⓓ TACK COAT
- Ⓔ EXISTING ASPHALT TO REMAIN
- ① IN-PLACE GRANITE OR CONCRETE CURB (RETAIN) SEE NOTE 1
- ② IN-PLACE CONCRETE SIDEWALK (RETAIN) SEE NOTE 2

NOTES:

- 1. SEE PLAN SHEETS FOR PROPOSED HEADER CURB OR CURB AND GUTTER LOCATIONS
- 2. SEE PLAN SHEETS FOR PROPOSED SIDEWALK LOCATIONS



REVISION DATES			TYPICAL SECTIONS			
			LMIG 2021			
			BOLTON RD			
CHECKED:		DATE:		DRAWING No.		
BACKCHECKED:		DATE:		05-0008B		
CORRECTED:		DATE:				
VERIFIED:		DATE:				

GDOT ITEM#	Description	Unit	QTY
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM & H LIME	TN	3240
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR GP 2, INCL BITUM MATL & H LIME	TN	2430
413-1000	BITUM TACK COAT	GL	2943
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	29430
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	400
441-0104	CONC SIDEWALK, 4 IN	SY	1858
441-0106	CONC SIDEWALK, 6 IN	SY	342
441-0748	CONCRETE MEDIAN, 6 IN	SY	52
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	1965
441-6622	CONC CURB & GUTTER, 10 IN X 30 IN, TP 2	LF	807
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	2.5
610-0200	REM CH LK FENCE, ALL SIZES & TYPES	LF	5.0
611-8050	ADJUST MANHOLE TO GRADE	EA	1
611-8120	ADJUST WATER METER BOX TO GRADE	EA	1
611-8140	ADJUST WATER VALVE TO GRADE	EA	3
647-6300	LOOP DETECTOR, 6 FT X 40 FT, QUADRUPOLE	EA	4
647-6200	LOOP DETECTOR, 6 FT X 6 FT, BIPOLE	EA	2
670-9710	RELOCATE EXIST FIRE HYDRANT	EA	1
670-9999	RELOCATE EXIST BENCH	EA	1
700-9300	SOD	SY	106

REVISION DATES			SUMMARY QUANTITIES				
			CHECKED:		DATE:		DRAWING No. 06-0008
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		

SUMMARY OF QUANTITIES
SIGNING & MARKING PLAN - BOLTON RD

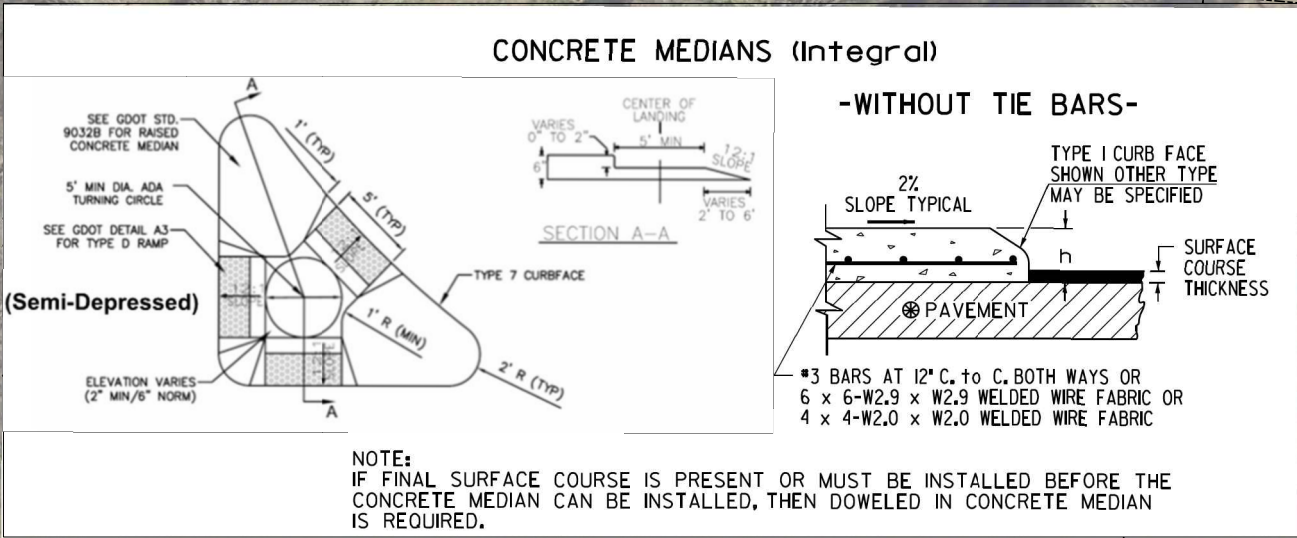
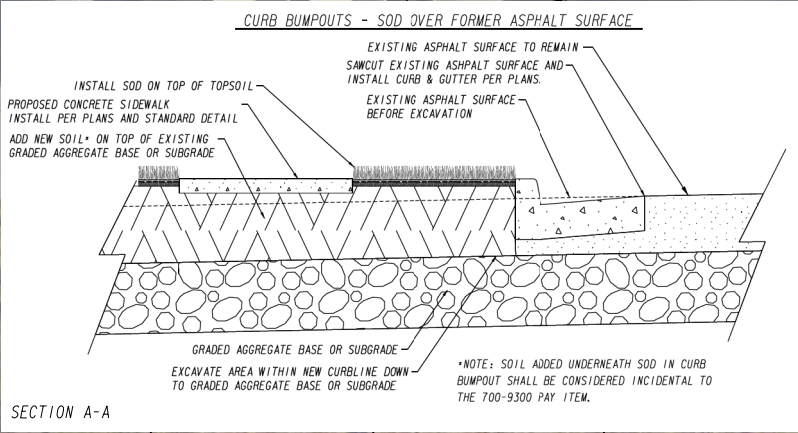
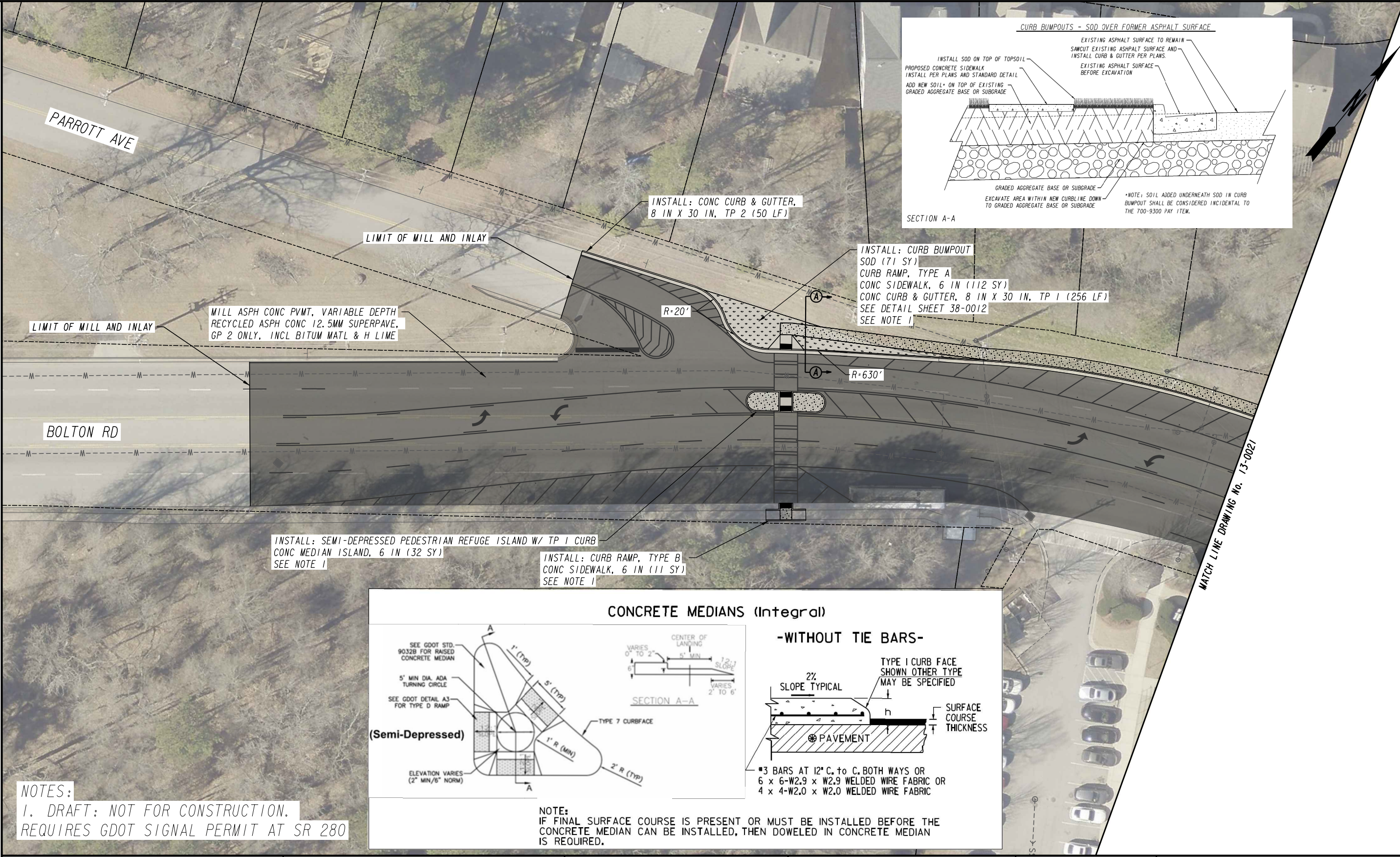
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610-9001	REM SIGN	EA	12
610-9001	REM SIGN & POST	EA	8
611-5551	RESET SIGN	EA	1
636-1033	HIGHWAY SIGNS, TP1 MATL, REFL SHEETING, TP 9	SF	61
636-1036	HIGHWAY SIGNS, TP1 MATL, REFL SHEETING, TP 11	SF	254
636-2020	GALV STEEL POST, TP 2, GREEN	LF	149
636-4104	PLASTIC FLEXIBLE DELINEATOR, TP 2B (K-71), WHITE	EA	30
636-4104	PLASTIC FLEXIBLE DELINEATOR, TP 2B (K-71), YELLOW	EA	14
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	7
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	14
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	2
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	12460
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	13120
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	4980
653-1504	THERMOPLASTIC SOLID TRAF STRIPE, 12 IN, WHITE	LF	410
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	670
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	990
653-3502	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	GLF	860
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	1515
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	379
654-1001	RAISED PAVEMENT MARKERS, TP 1	EA	348
654-1003	RAISED PVMT MARKERS TP 3	EA	47
654-1006	RAISED PAVEMENT MARKERS, TP 6	EA	67

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MUTCD	Name	Width (in)	Height (in)	Area(sf)	Sheeting Type	Material Type																Total Signs	Total Area	
****	Remove Existing Sign Panel						2	1			2	3				1			1		2	12		
****	Remove Existing Sign Panel and Post							1			1	1		2		1		1	1			8		
****	Relocate Existing Sign Post (Reset)												1									1		
OM3-L/R	Object Marker (Left/Right)	8	30	1.67	TP 9	TP 1	2										1					3	5.00	
R1-2	Yield	36		3.90	TP 11	TP 1													1			1	3.90	
R10-15AR	Turning Vehicles Stop for Peds	30	30	6.25	TP 9	TP 1													1			1	6.25	
R3-2L/R	Overhead No Left/Right Turn	36	36	9.00	TP 9	TP 1							1									1	9.00	
R3-2L/R	No Left/Right Turn	24	24	4.00	TP 9	TP 1							2									2	8.00	
R3-5a	Overhead Through Only	30	36	7.50	TP 9	TP 1							1									1	7.50	
R4-1	Do Not Pass	24	30	5.00	TP 9	TP 1									2		1	1		1		5	25.00	
W11-2	Ped Warning (30")	30	30	6.25	TP 11	TP 1	7				5	1			5	5						23	143.75	
W1-2	Curve Warning	30	30	6.25	TP 11	TP 1						1								1		2	12.50	
W13-1P	Advisory Speed Plaque	18	18	2.25	TP 11	TP 1	1					1									1	3	6.75	
W1-4	Reverse Curve Warning	30	30	6.25	TP 11	TP 1	1															1	6.25	
W11-15	Bicycle / Pedestrian	30	30	6.25	TP 11	TP 1															1	1	6.25	
W11-15P	Trail X-ing (plaque)	24	18	3.00	TP 11	TP 1															1	1	3.00	
W16-2aP	Low Clearance Distance Plaque	24	12	2.00	TP 11	TP 1										1						1	2.00	
W16-7P	Diagonal Downward Arrow	24	12	2.00	TP 11	TP 1	6				4				4	4						18	36.00	
W16-9P	Ahead	24	12	2.00	TP 11	TP 1	1				1	1			1	1			1			6	12.00	
W1-8	Chevron Sign	18	24	3.00	TP 11	TP 1	2	1														3	9.00	
W5-1	Road Narrows	30	30	6.25	TP 11	TP 1											1	1				2	12.50	
																					TP 1 Total SF:	0.00		
																					TP 9 Total SF:	60.75		
																					TP 11 Total SF:	253.90		

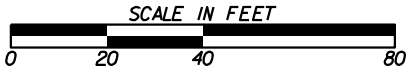
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SUMMARY QUANTITIES

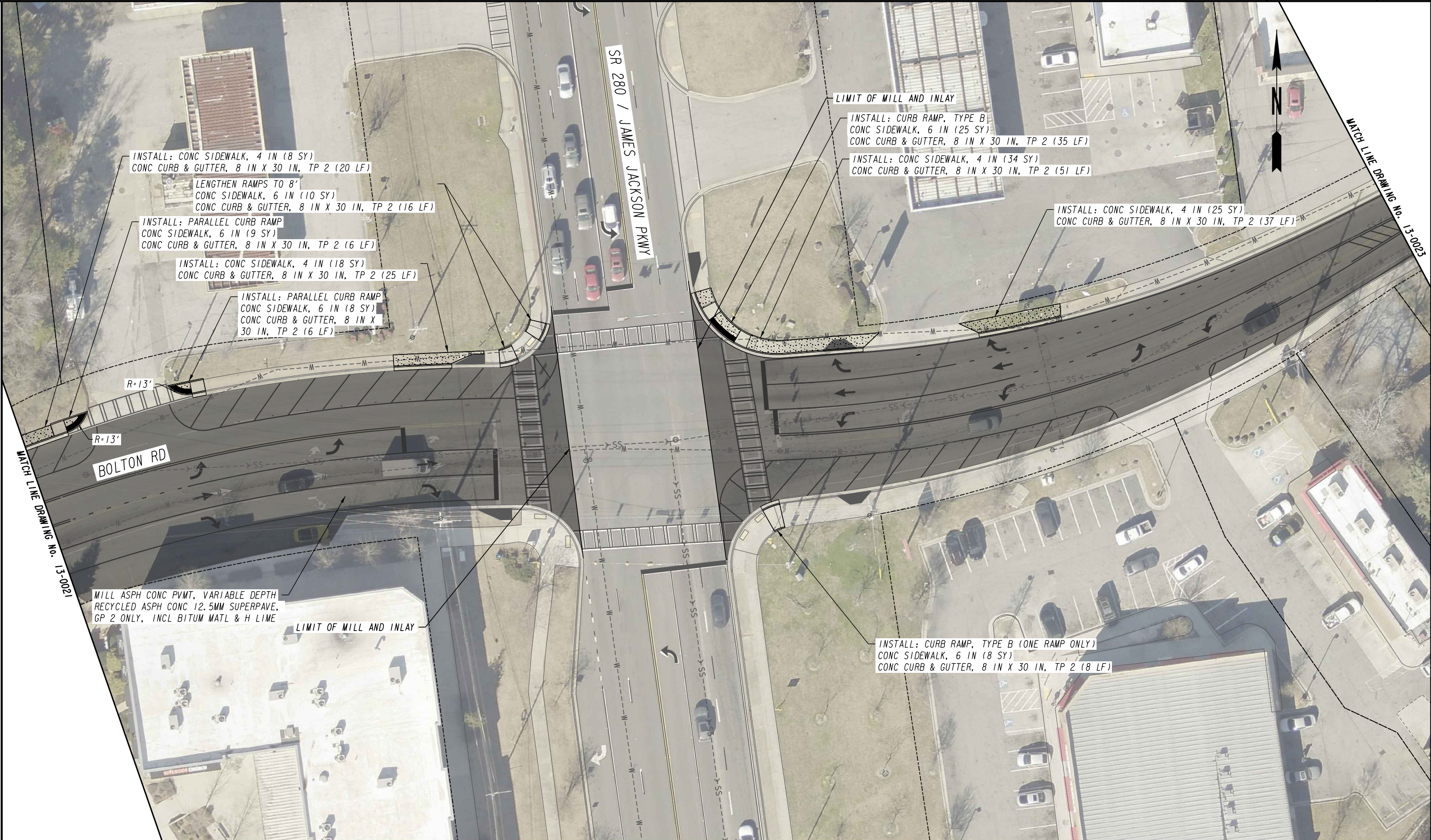
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VERIFIED:	DATE:	



NOTES:
1. DRAFT: NOT FOR CONSTRUCTION.
REQUIRES GDOT SIGNAL PERMIT AT SR 280



REVISION DATES				CONSTRUCTION PLAN			
				LMIG 2021			
				BOLTON RD			
CHECKED:		DATE:		DRAWING No.			
BACKCHECKED:		DATE:		13-0021			
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MATCH LINE DRAWING No. 13-0022

MATCH LINE DRAWING No. 13-0024

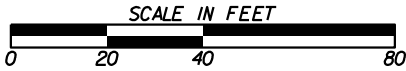
NOTES:
1. DRAFT: NOT FOR CONSTRUCTION.
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY

MILL ASPH CONC PVMT, VARIABLE DEPTH
RECYCLED ASPH CONC 12.5MM SUPERPAVE,
GP 2 ONLY, INCL BITUM MATL & H LIME

INSTALL: SIDEWALK
CONC SIDEWALK, 4 IN (125 SY)
ALTERNATE DRIVEWAY APRONS
DRIVEWAY CONC, 6 IN TK (29 SY)
SEE NOTE 1

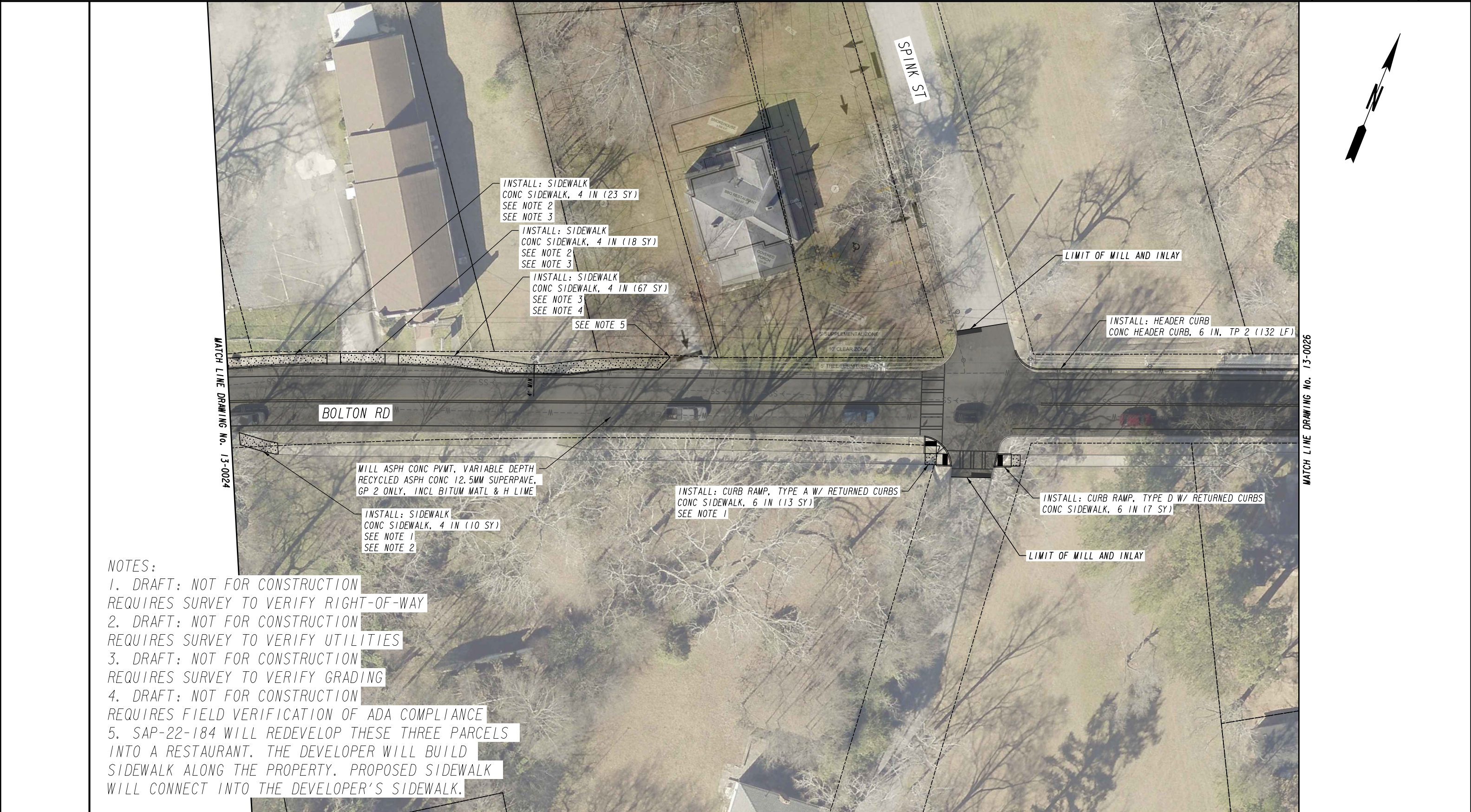
BOLTON RD

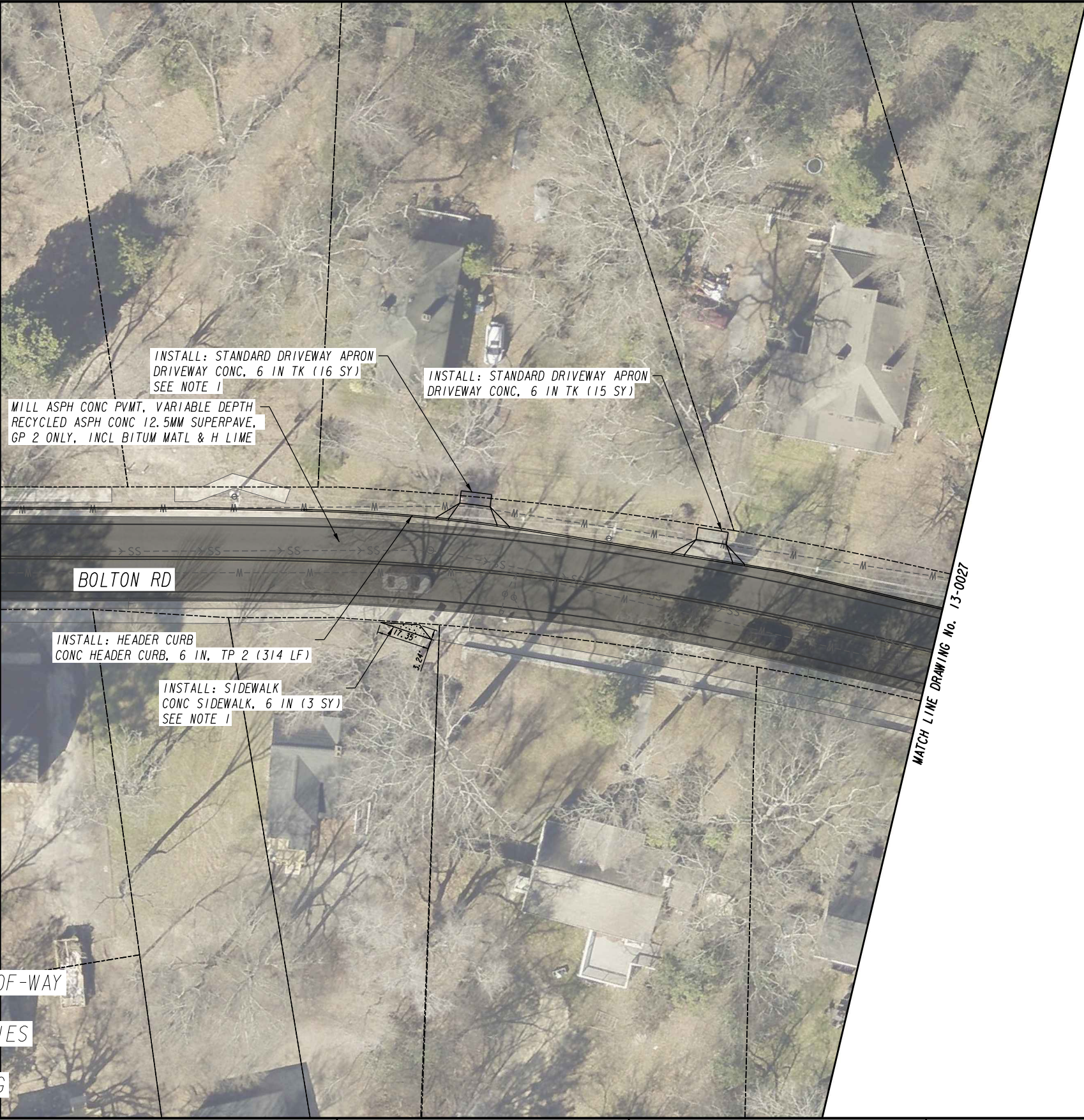
NEWFORT DR (PVT)



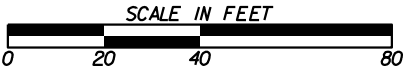
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			LMIG 2021			
			BOLTON RD			
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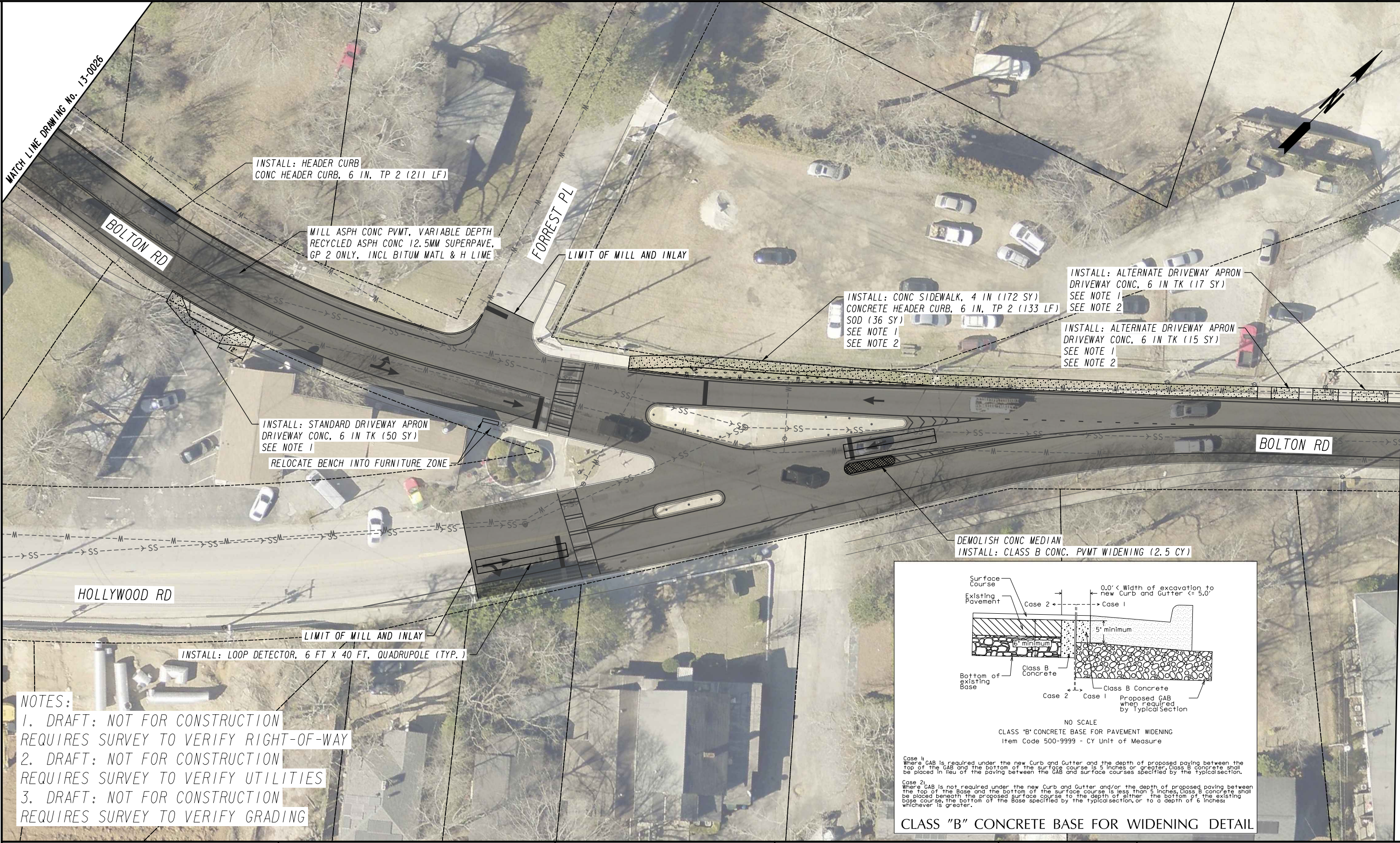




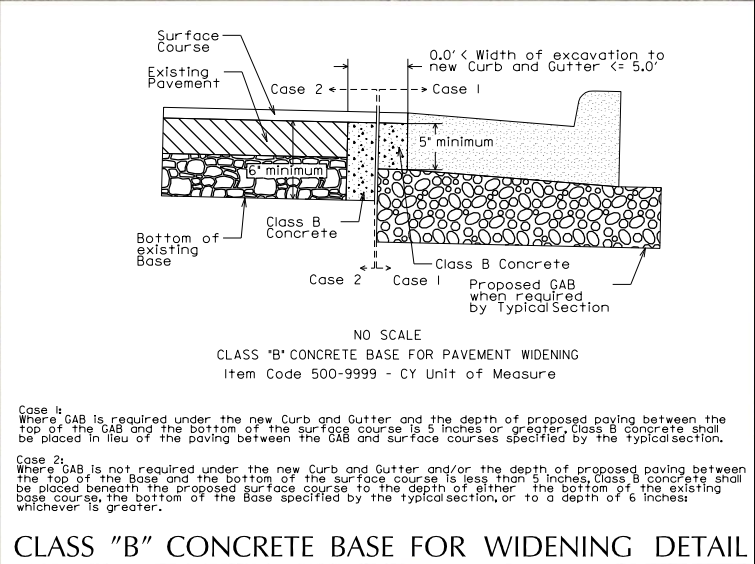
NOTES:
1. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY
2. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY UTILITIES
3. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY GRADING

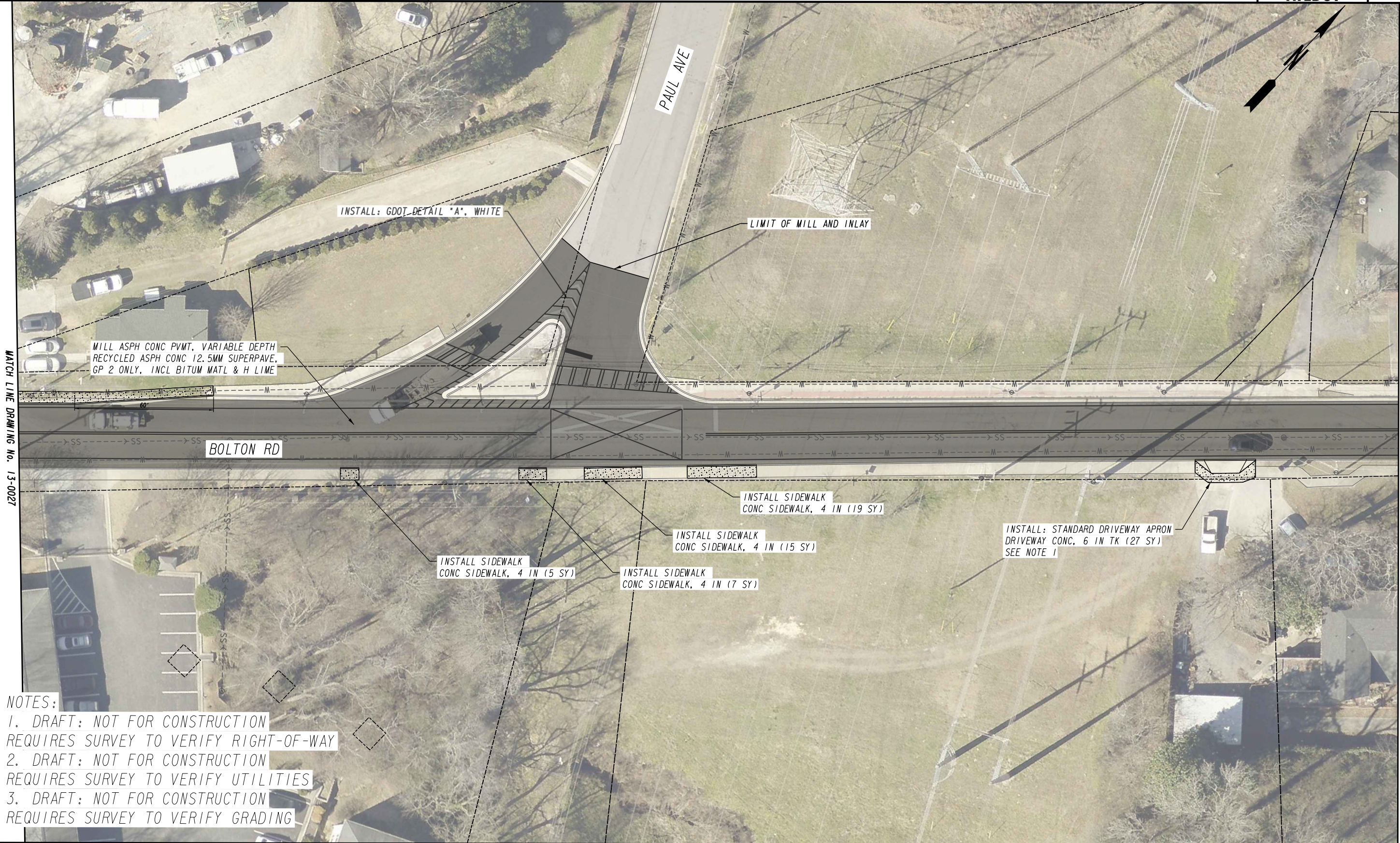


REVISION DATES			CONSTRUCTION PLAN			
			LMIG 2021			
			BOLTON RD			
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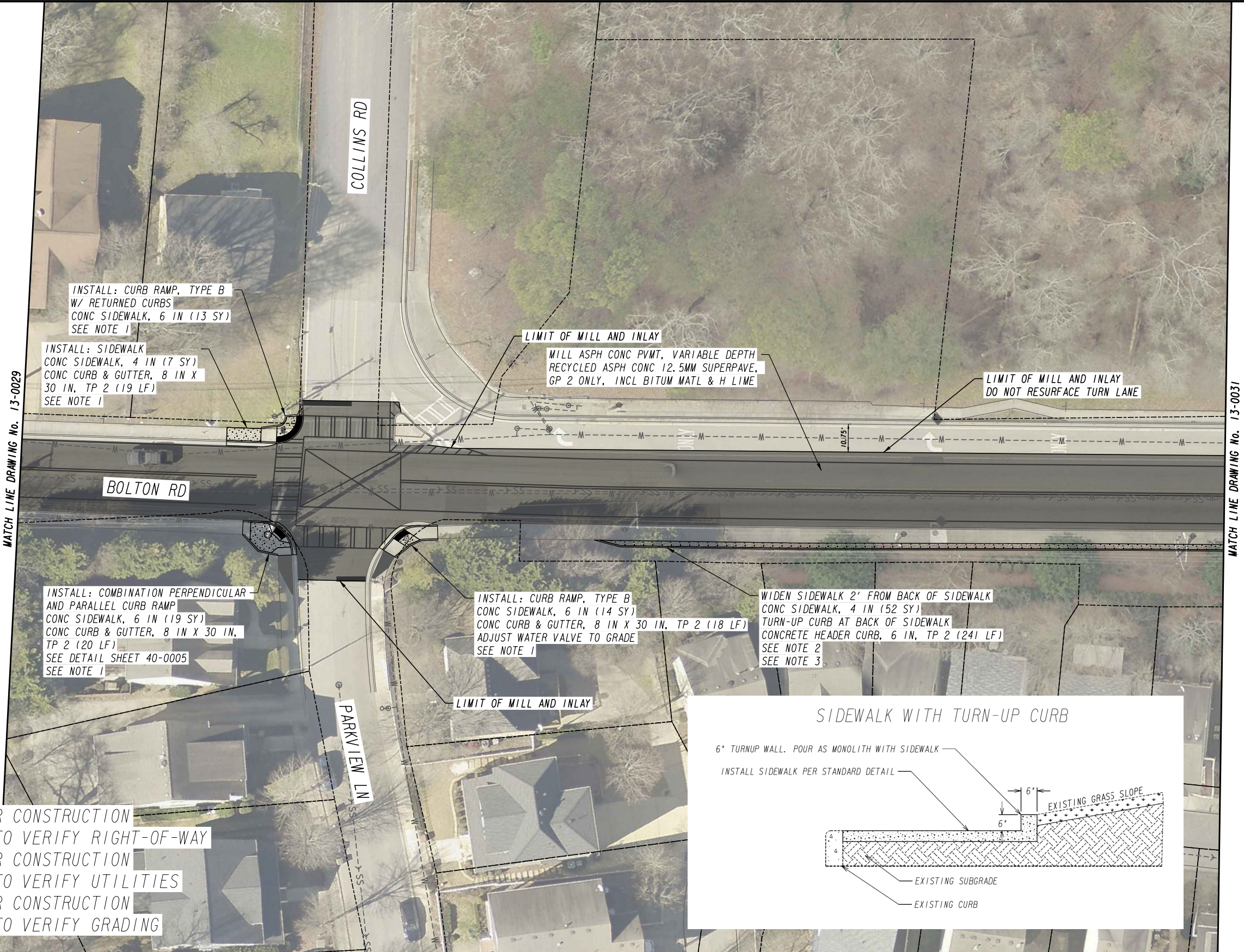
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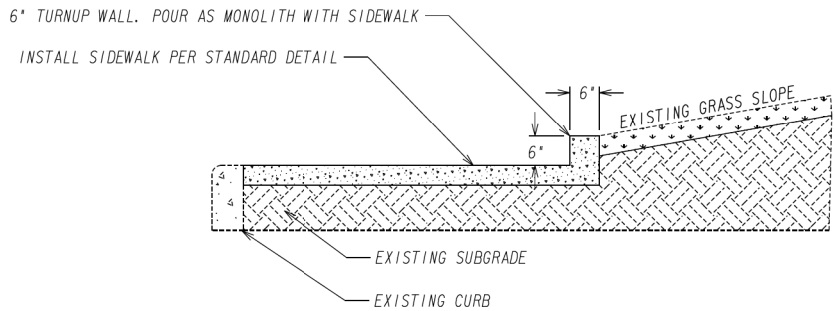




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SIDEWALK WITH TURN-UP CURB



MILL ASPH CONC PVT, VARIABLE DEPTH
RECYCLED ASPH CONC 12.5MM SUPERPAVE,
GP 2 ONLY, INCL BITUM MATL & H LIME

INSTALL: SIDEWALK - THIS SHEET AND NEXT
CONC SIDEWALK, 4 IN (340 SY)
TURN-UP CURB AT BACK OF SIDEWALK
CONCRETE HEADER CURB, 6 IN, TP 2 (456 LF)
CONC CURB & GUTTER, 8 IN X 30 IN, TP 2 (168 LF)
SEE NOTE 1
SEE NOTE 2
SEE NOTE 3

BOLTON RD

ADJUST MANHOLE TO GRADE

WIDEN SIDEWALK 2' FROM BACK OF SIDEWALK
CONC SIDEWALK, 4 IN (69 SY)
TURN UP CURB AT BACK OF SIDEWALK
CONCRETE HEADER CURB, 6 IN, TP 2 (318 LF)
SEE NOTE 1
SEE NOTE 2
SEE NOTE 3

WIDEN SIDEWALK 4'
CONC SIDEWALK, 4 IN (139 SY)
SEE NOTE 1
SEE NOTE 2
SEE NOTE 3

NOTES:

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CITY OF ATLANTA



DEPARTMENT OF TRANSPORTATION

SCALE IN FEET



REVISION DATES

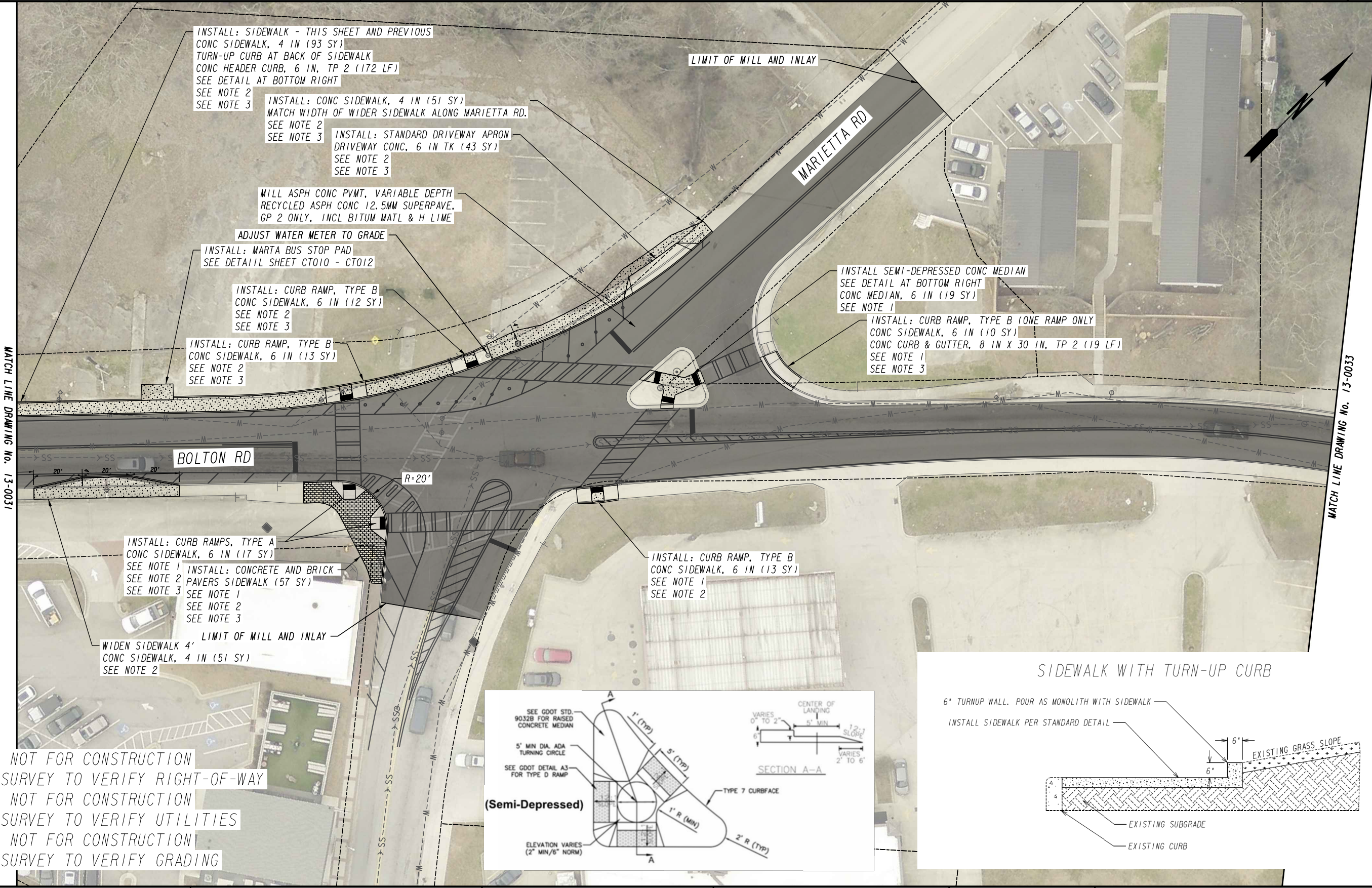
CONSTRUCTION PLAN

LMIG 2021

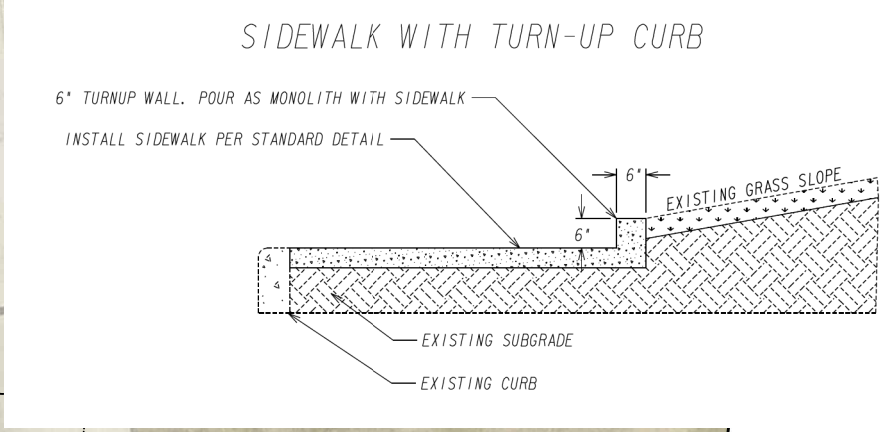
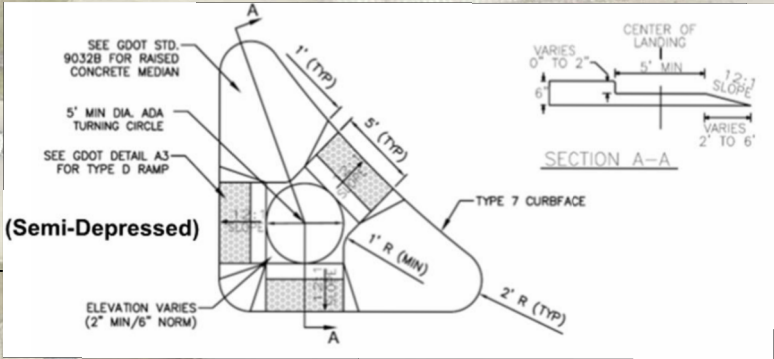
BOLTON RD

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13-0031



- NOTES:
1. DRAFT: NOT FOR CONSTRUCTION
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REVISION DATES			CONSTRUCTION PLAN			
			LMIG 2021			
			BOLTON RD			
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CITY OF ATLANTA

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DEPARTMENT OF TRANSPORTATION

SCALE IN FEET

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REVISION DATES		

CONSTRUCTION PLAN

LMIG 2021

BOLTON RD

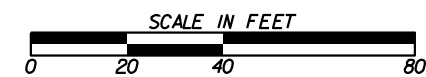
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10/23/2015

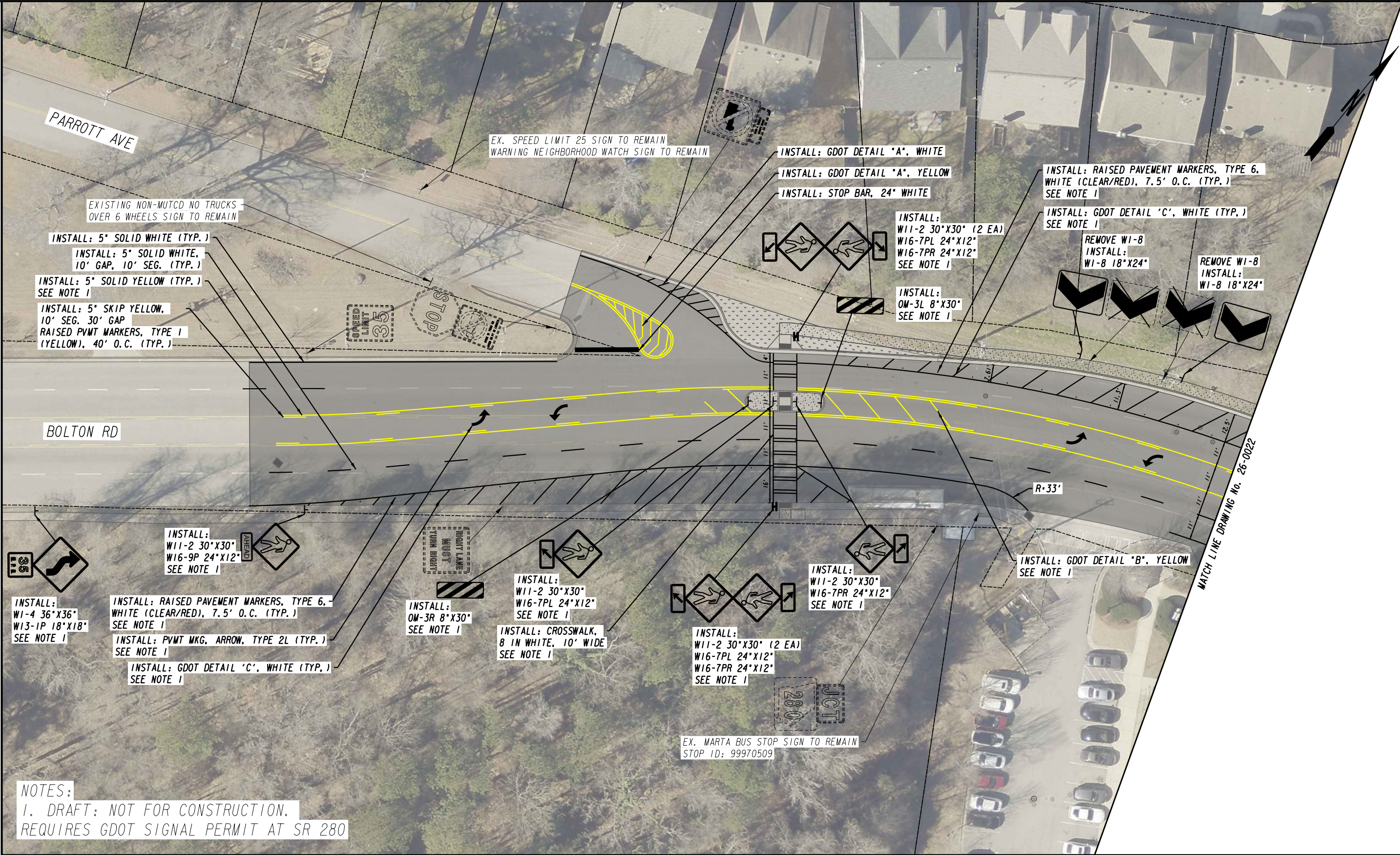
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1. DRAFT: NOT FOR CONSTRUCTION
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REVISION DATES			CONSTRUCTION PLAN LMIG 2021 BOLTON RD			
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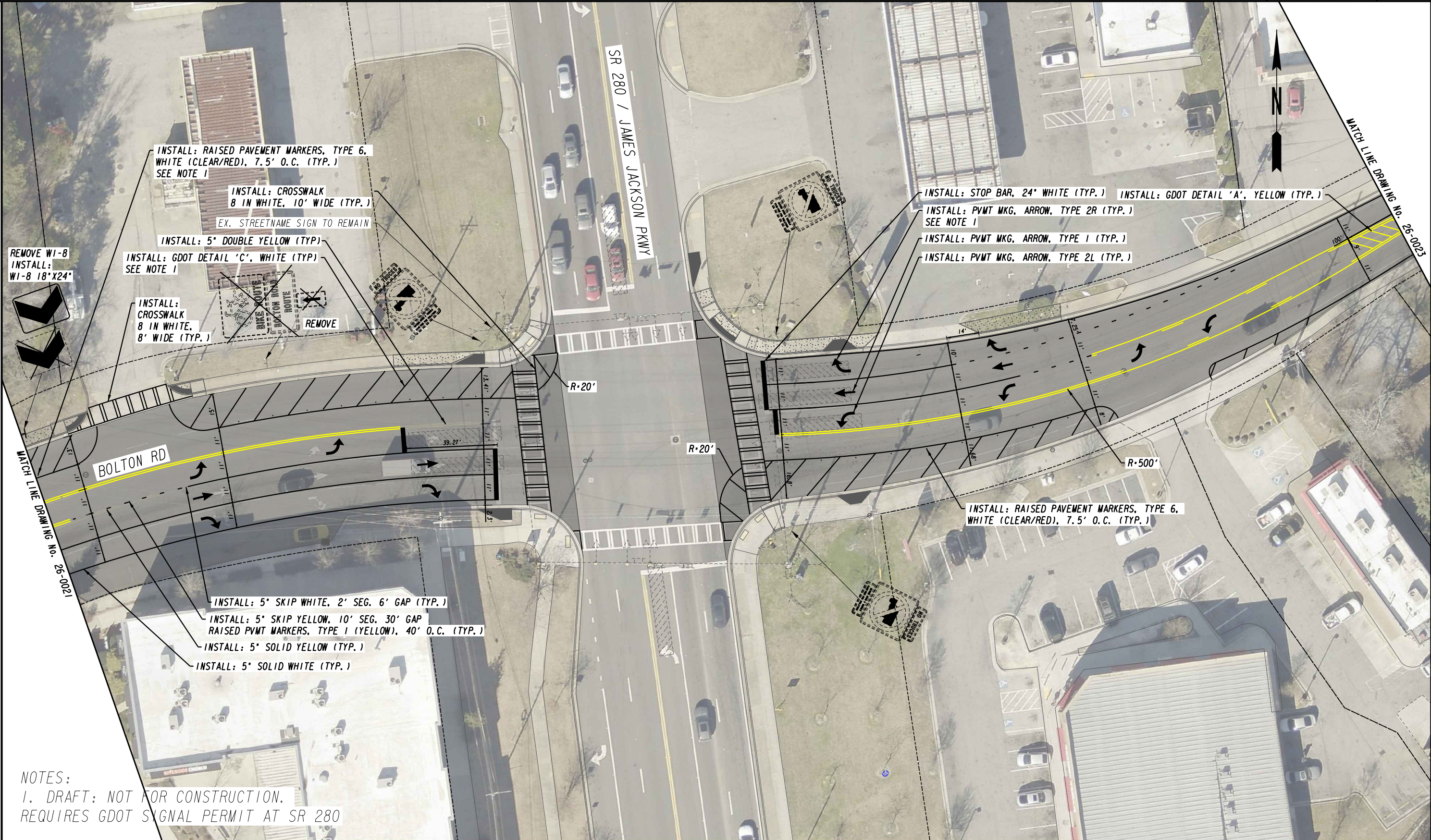
NOTES:
1. DRAFT: NOT FOR CONSTRUCTION.
REQUIRES GDOT SIGNAL PERMIT AT SR 280



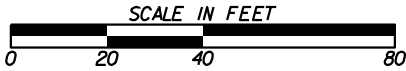
REVISION DATES

SIGNING AND MARKING PLANS
LMIG 2021
BOLTON RD

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BACKCHECKED:	DATE:	26-0021
CORRECTED:	DATE:	
VERIFIED:	DATE:	



NOTES:
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REVISION DATES

SIGNING AND MARKING PLANS

LMIG 2021
BOLTON RD

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	26-0022
CORRECTED:	DATE:	
VERIFIED:	DATE:	



10/23/2015
GPLN

CITY OF ATLANTA

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ATLANTA

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DEPARTMENT OF TRANSPORTATION

SCALE IN FEET

0 20 40 80

REVISION DATES

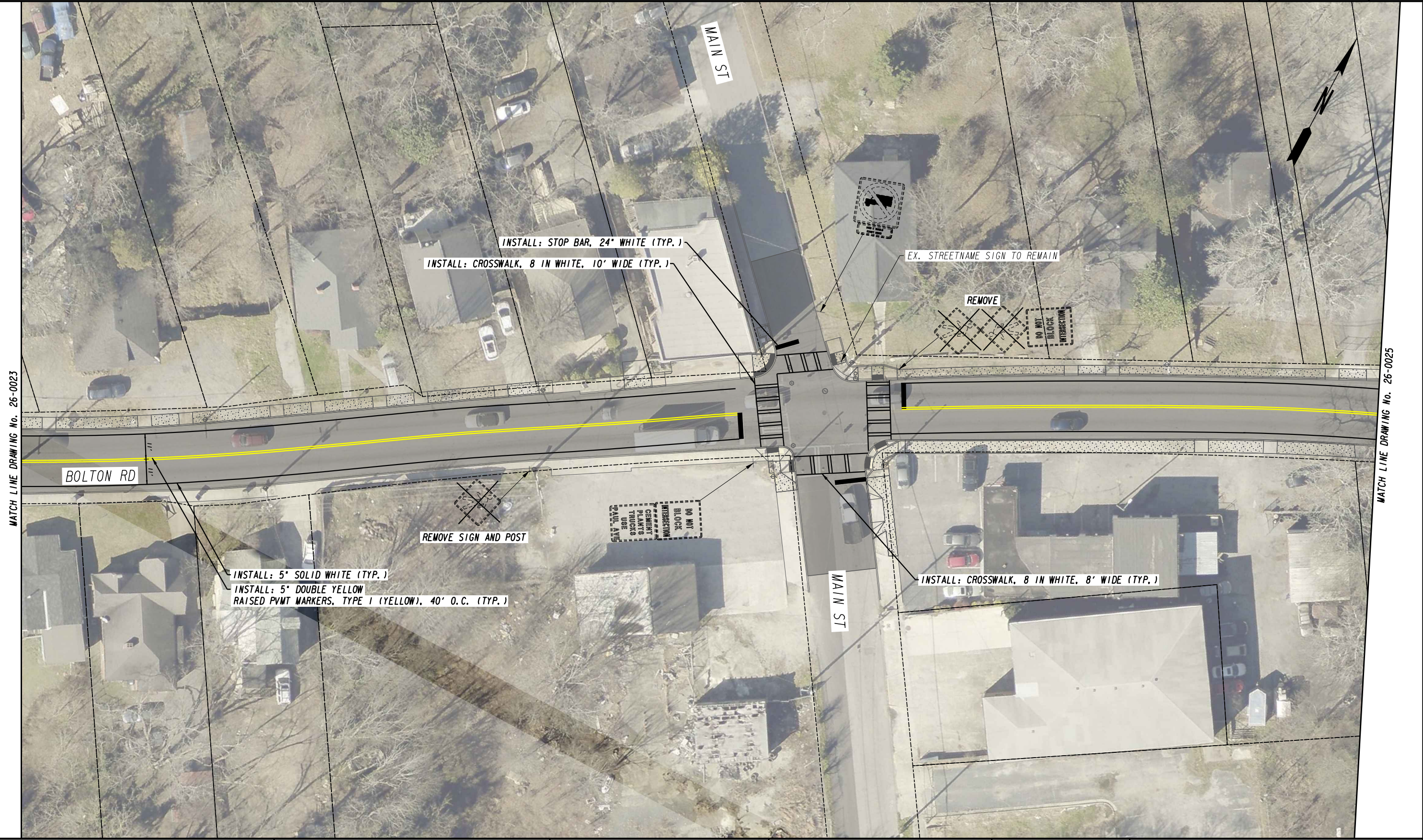
SIGNING AND MARKING PLANS

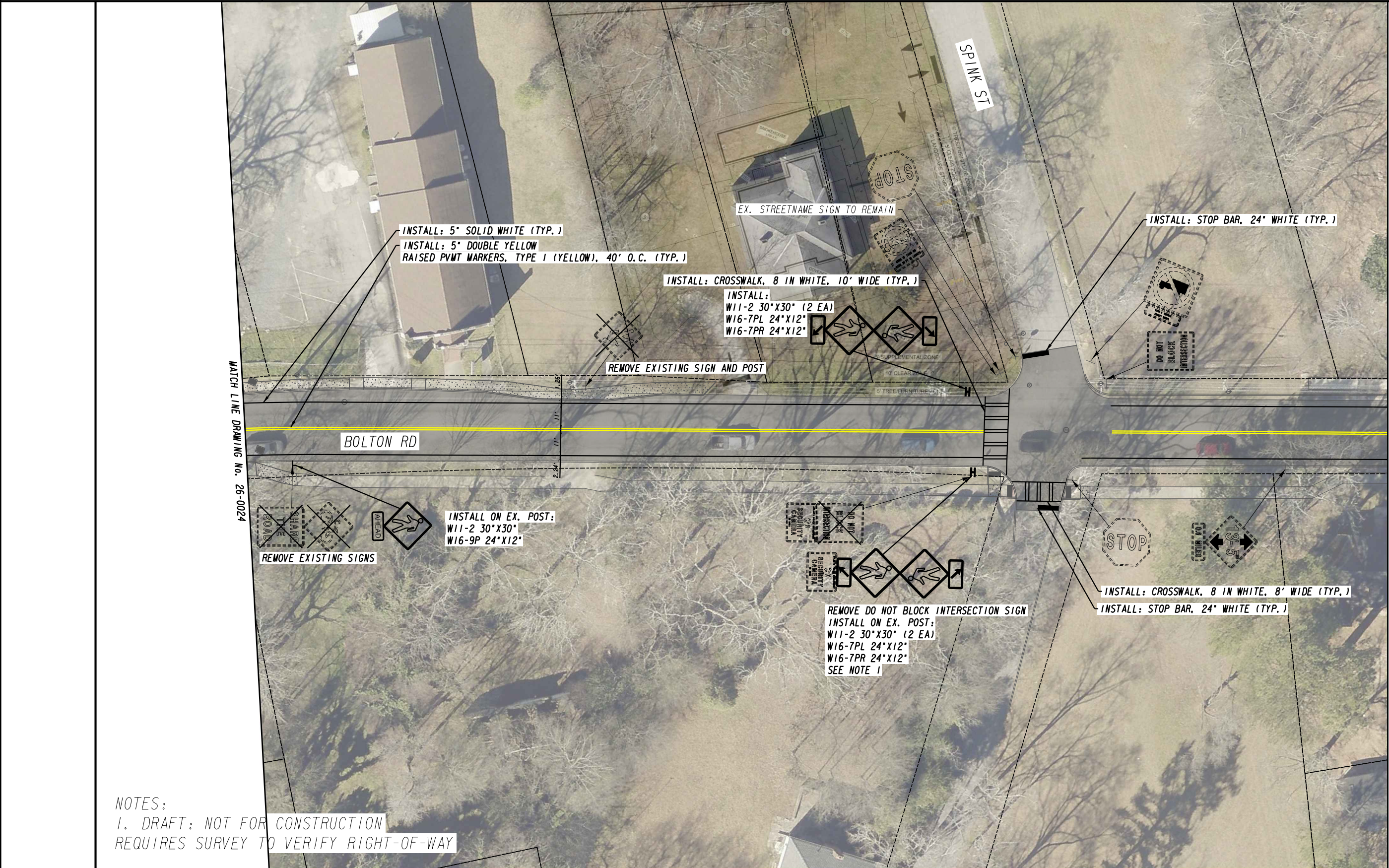
LMIG 2021

BOLTON RD

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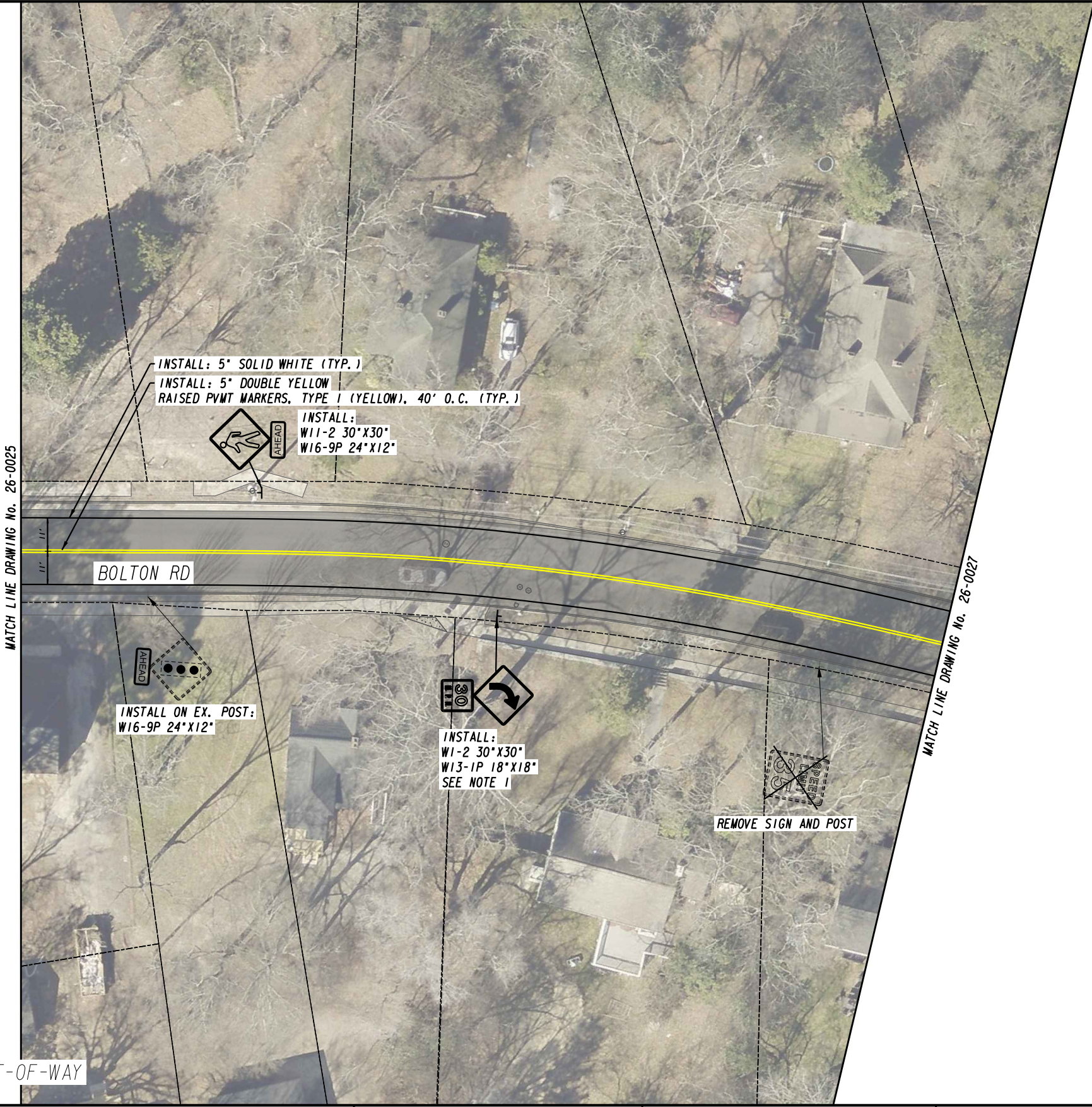
26-0023





MATCH LINE DRAWING No. 26-0024

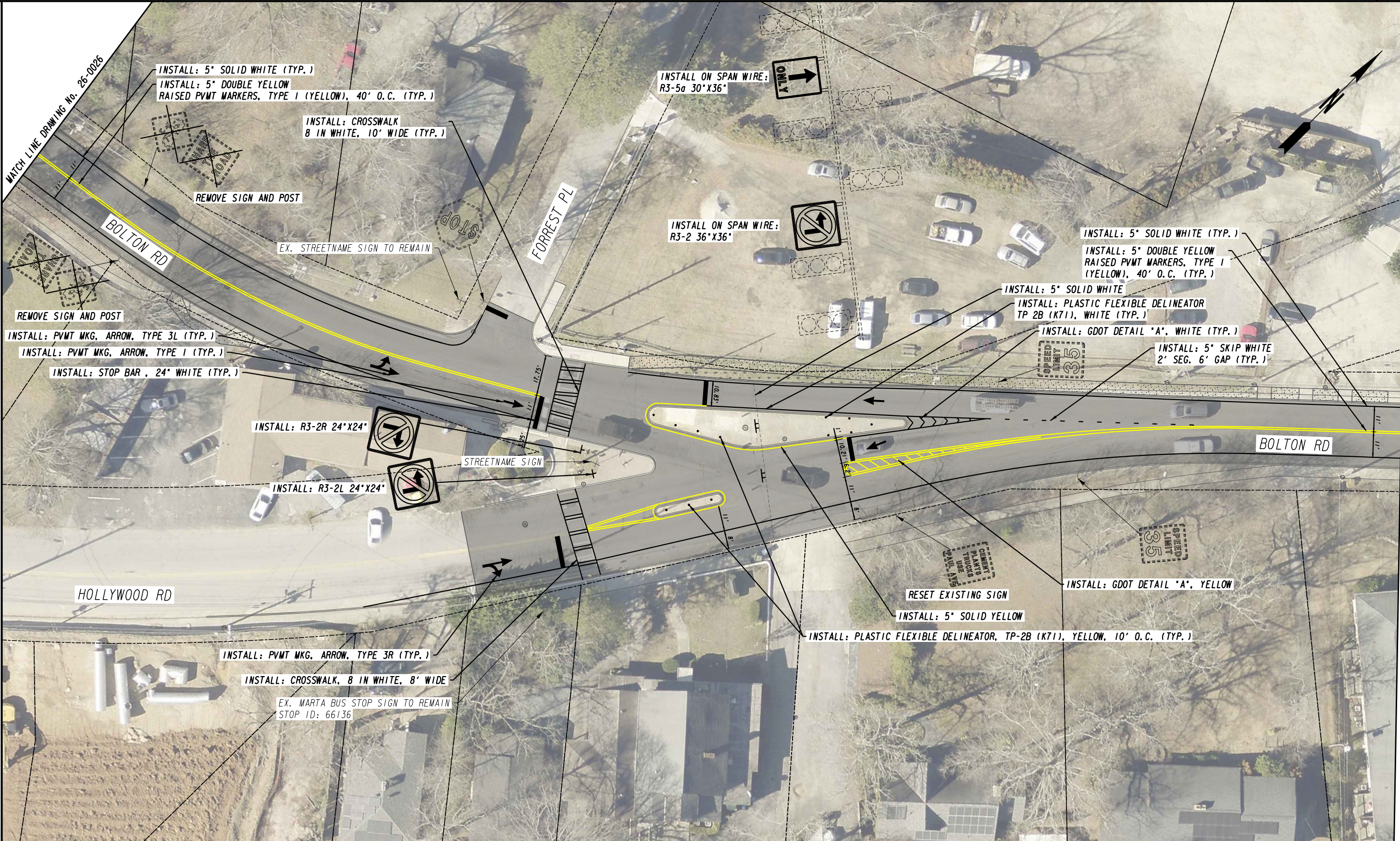
NOTES:
1. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY

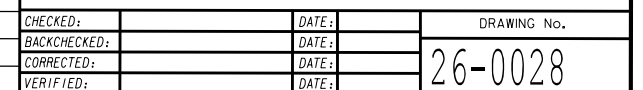


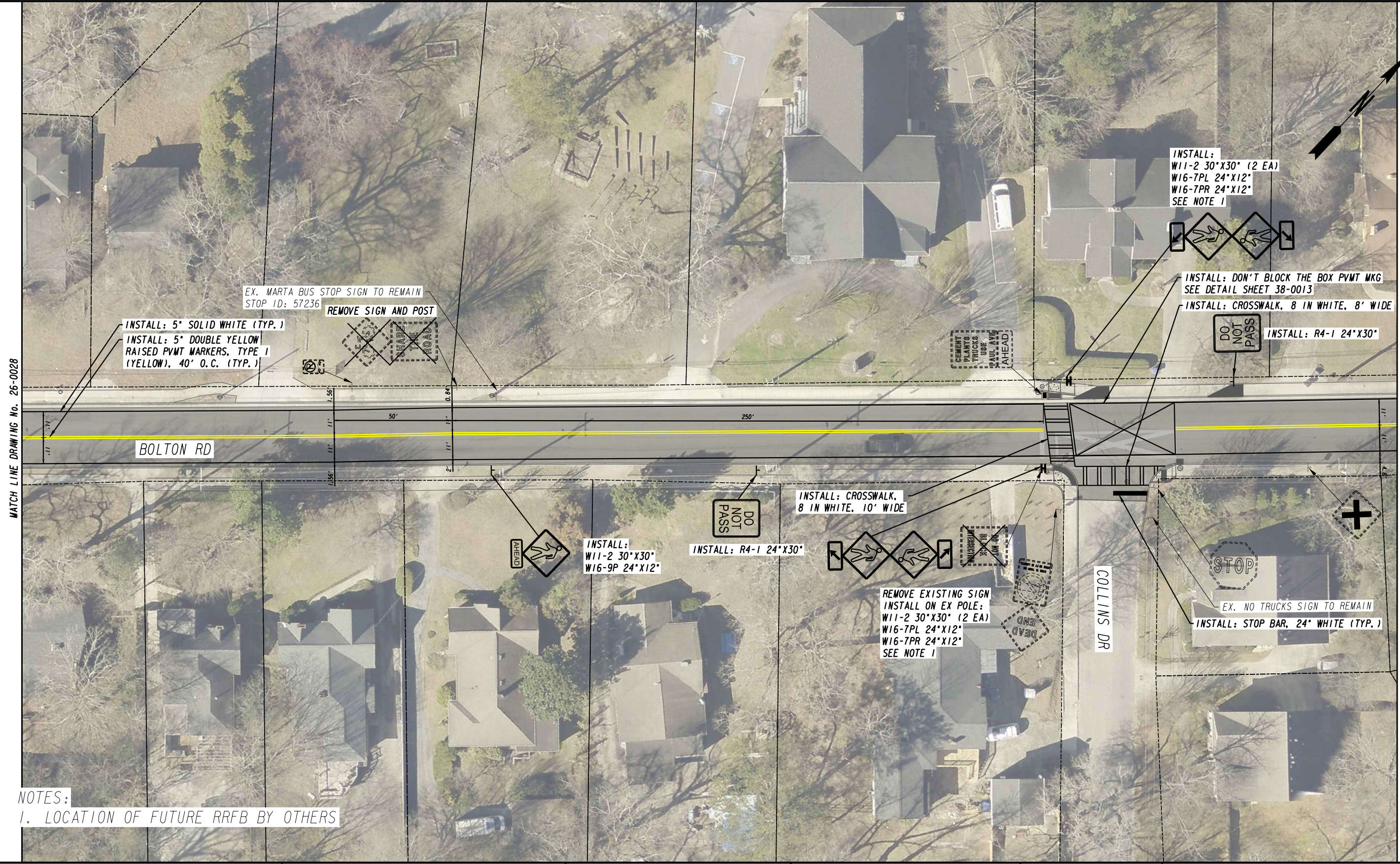
NOTES:
1. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY



REVISION DATES			SIGNING AND MARKING PLANS			
			LMIG 2021			
			BOLTON RD			
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CORRECTED:		DATE:				
VERIFIED:		DATE:				







NOTES:
1. LOCATION OF FUTURE RRFB BY OTHERS

CITY OF ATLANTA

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DEPARTMENT OF TRANSPORTATION

SCALE IN FEET

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REVISION DATES	

SIGNING AND MARKING PLANS

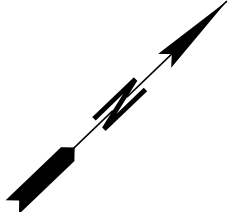
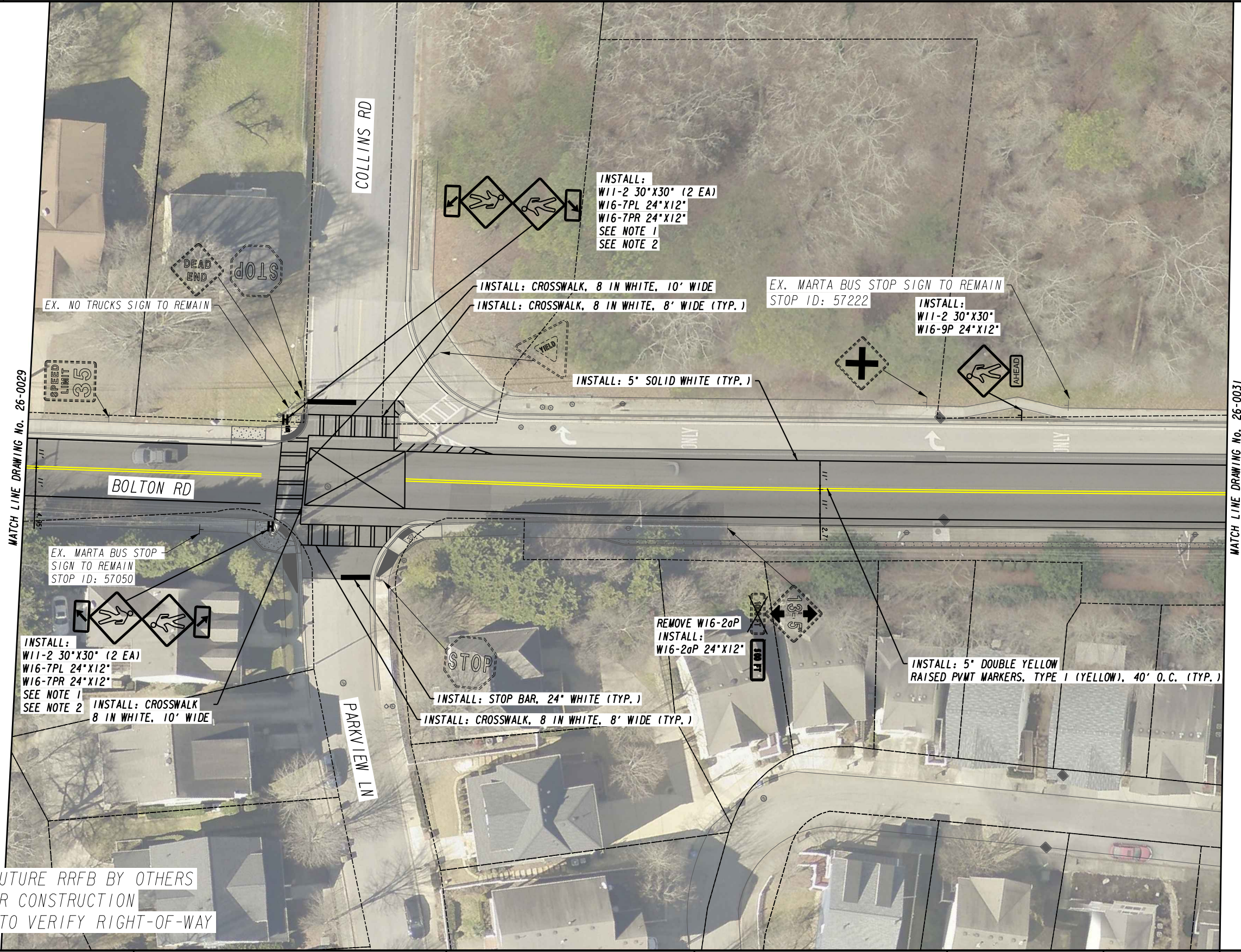
LMIG 2021

BOLTON RD

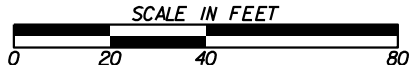
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DRAWING No.

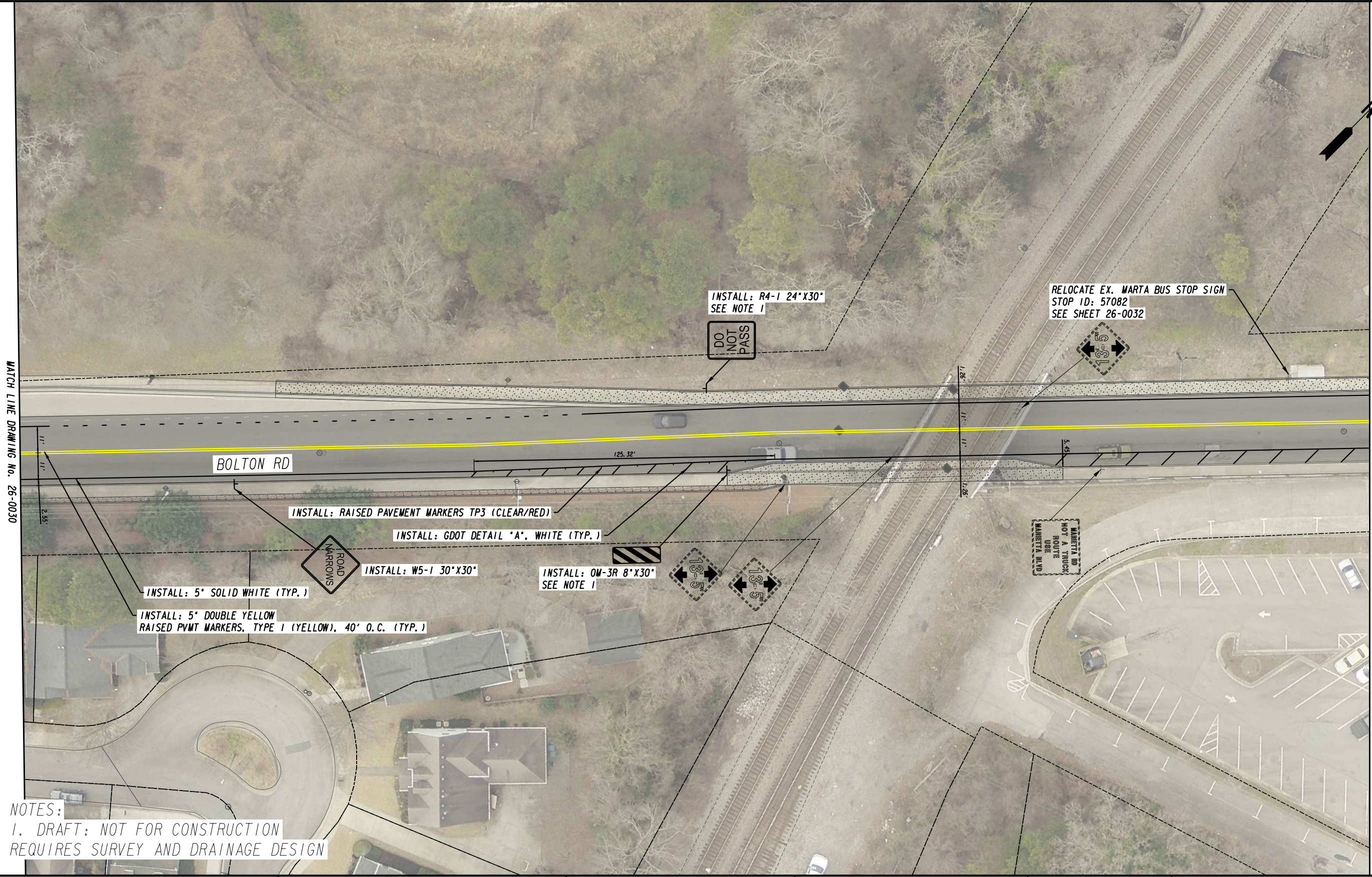
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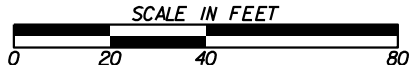
NOTES:
1. LOCATION OF FUTURE RRFB BY OTHERS
2. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY



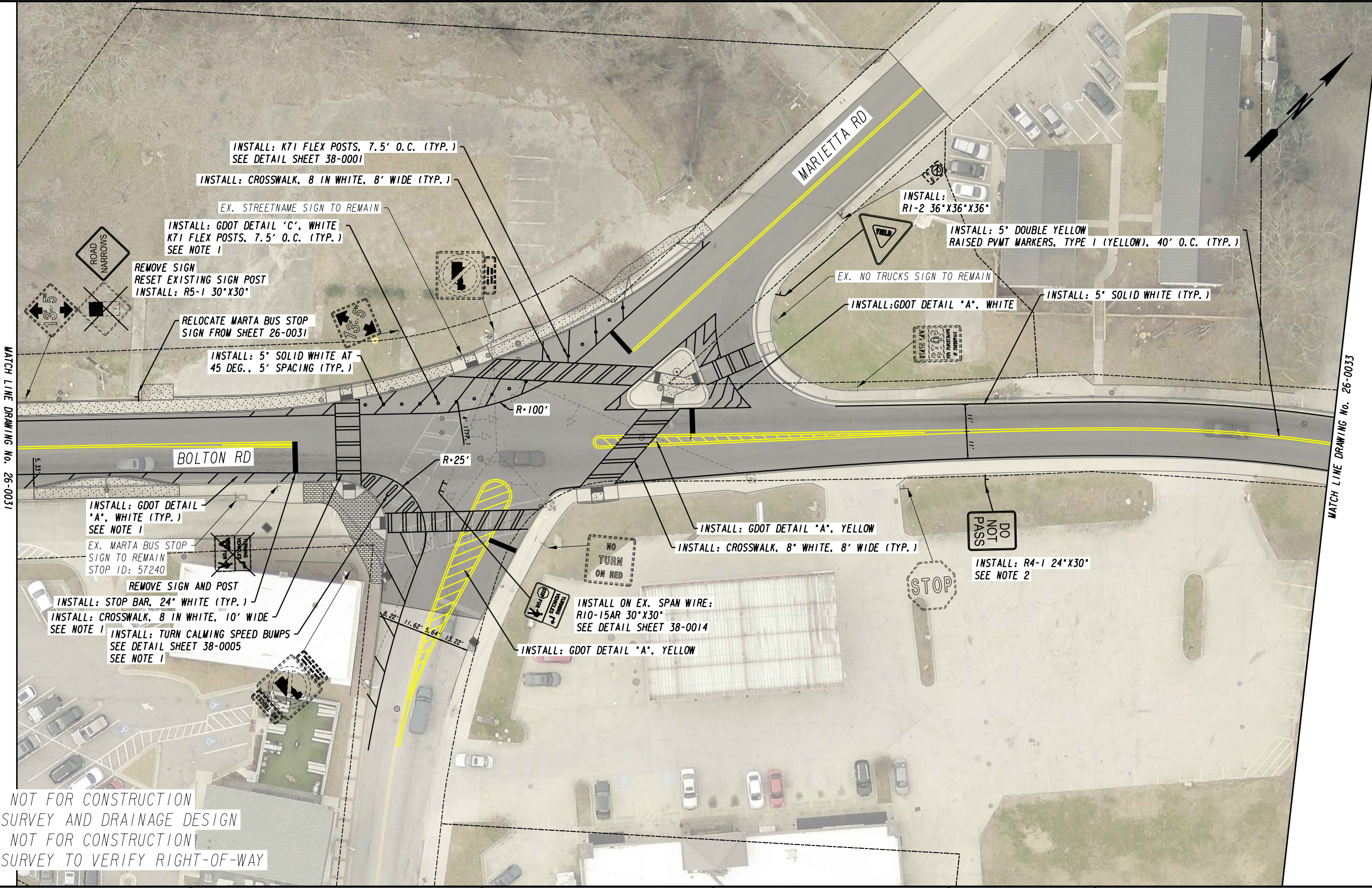
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BACKCHECKED:		DATE:		26-0030		
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VERIFIED:		DATE:				



NOTES:
1. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY AND DRAINAGE DESIGN



REVISION DATES			SIGNING AND MARKING PLANS			
			LMIG 2021			
			BOLTON RD			
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BACKCHECKED:		DATE:		26-0031		
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VERIFIED:		DATE:				



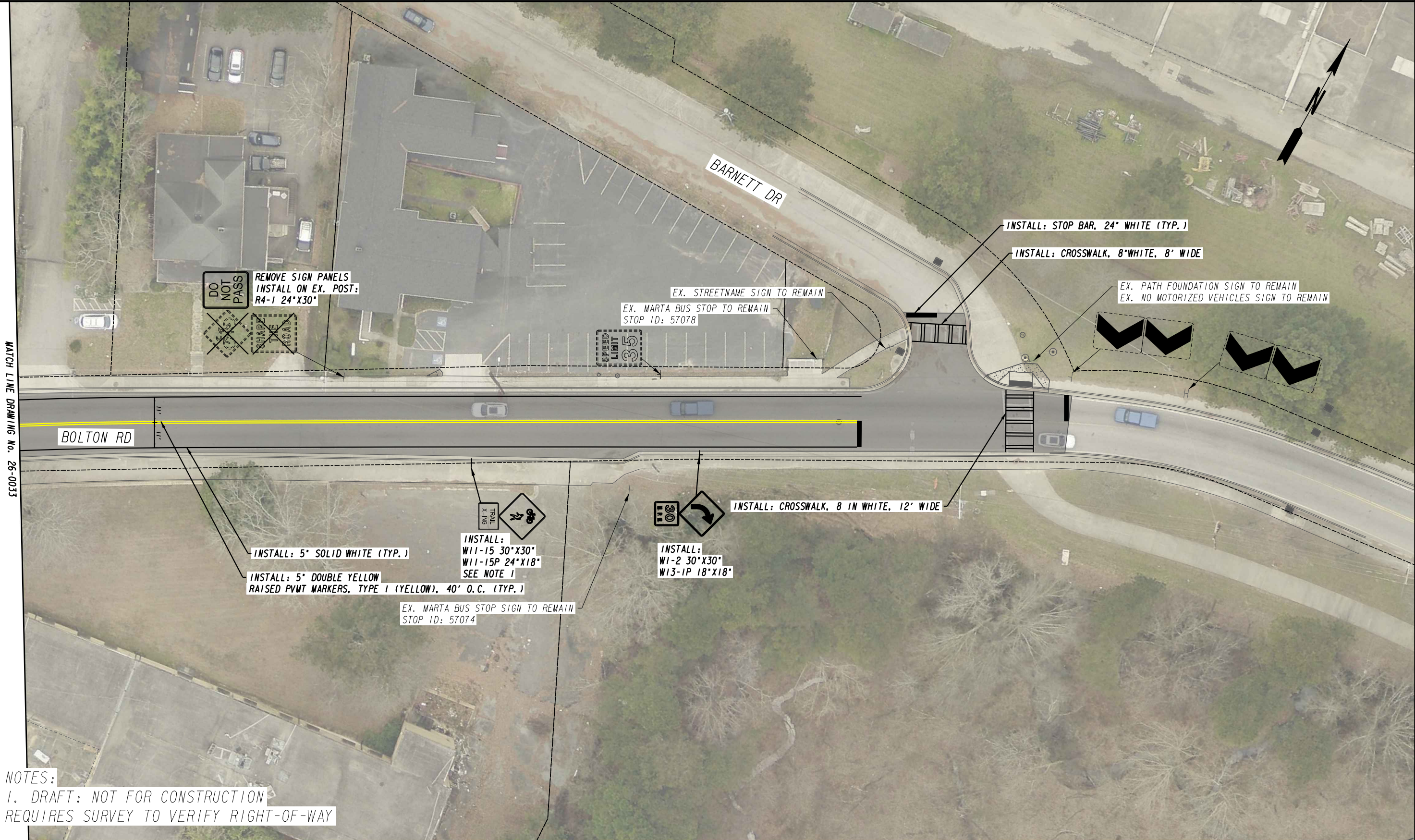
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REQUIRES SURVEY AND DRAINAGE DESIGN
2. DRAFT: NOT FOR CONSTRUCTION
REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY



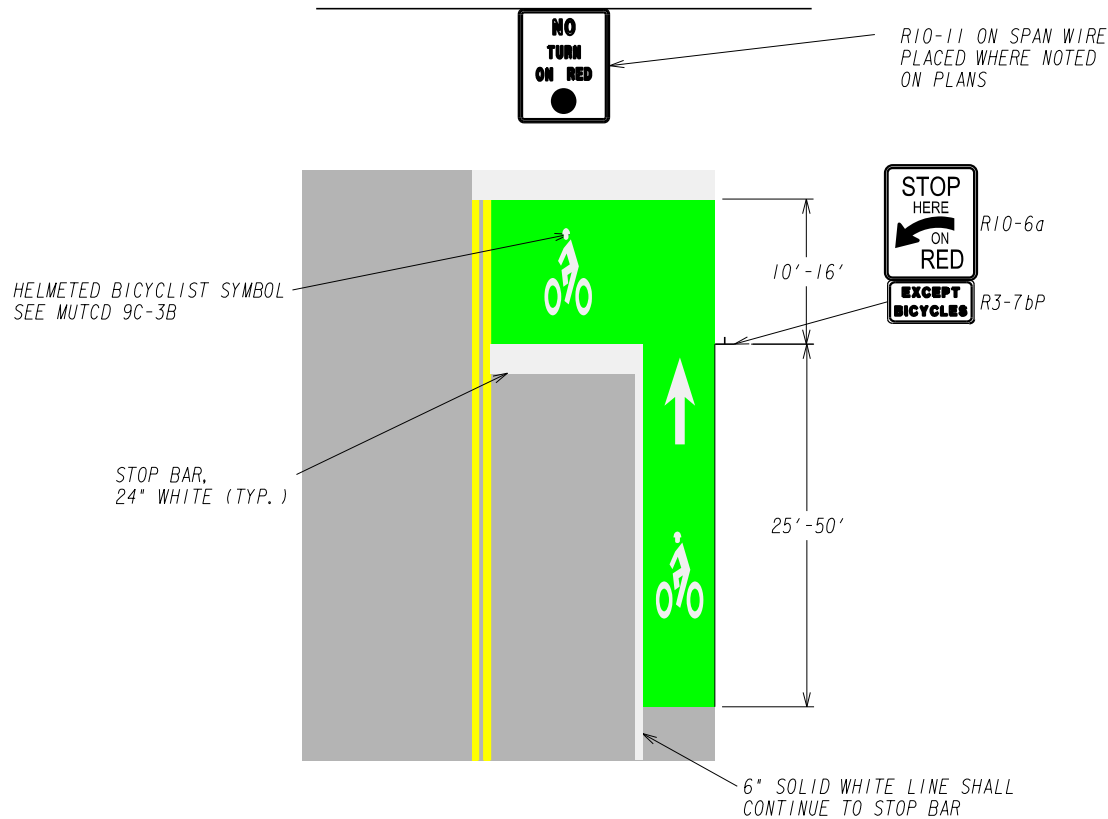
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REQUIRES SURVEY TO VERIFY RIGHT-OF-WAY



REVISION DATES			SIGNING AND MARKING PLANS			
			LMIG 2021			
			BOLTON RD			
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VERIFIED:		DATE:				



① BIKE BOX



NOTES:

- SEE GENERAL NOTES 12, 13, and 14 ON SHEET 04-0001 AND SPECIAL PROVISION 659 FOR SPECIFICATIONS AND REQUIREMENTS FOR GREEN PAVEMENT MARKING.
- GREEN INGRESS LANE SHALL BE SAME WIDTH AS BIKE LANE.
- HELMETED BICYCLIST SYMBOL (MUTCD 9C-3B) IN BIKE BOX SHALL BE PLACED CENTERED LEFT TO RIGHT BETWEEN THE EDGES OF THE VEHICULAR TRAVEL LANE AND TOP TO BOTTOM BETWEEN THE STOP BAR AND THE CROSSWALK OR TOP OF BIKE BOX.

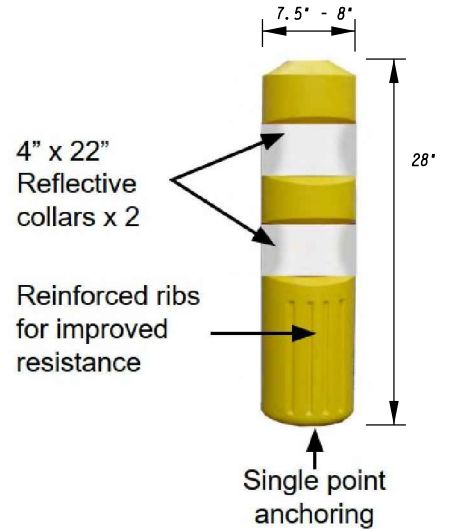
② K71 FLEXIBLE TRAFFIC POST

- DELINEATORS SHALL CONFORM TO SPECIFICATIONS IN SPECIAL PROVISION 636.
- DELINEATORS SHALL BE 28" TALL, 7.5" IN DIAMETER, K71 SELF RE-ERECTING POST WITH TWO 4" HEIGHT 22" CIRCUMFERENCE REFLECTIVE SHEETING STRIPS.
- UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, DELINEATORS SHALL BE WHITE IN BUFFERS BETWEEN LANES THAT ARE TRAVELING IN THE SAME DIRECTION AND YELLOW DELINEATORS SHALL BE USED IN BUFFERS THAT LANES TRAVELING IN OPPOSITE DIRECTIONS.

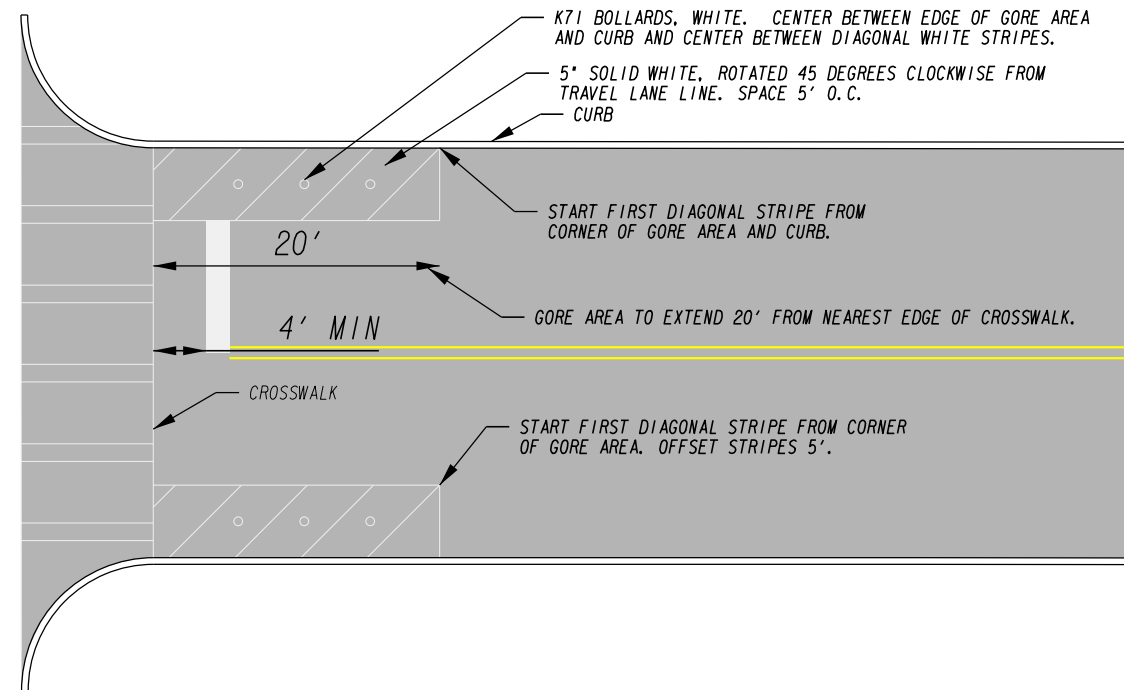
K71 FLEXIBLE TRAFFIC POST WHITE



K71 FLEXIBLE TRAFFIC POST YELLOW



③ INTERSECTION GORE AREA DETAIL



REVISION DATES

SPECIAL CONSTRUCTION DETAIL

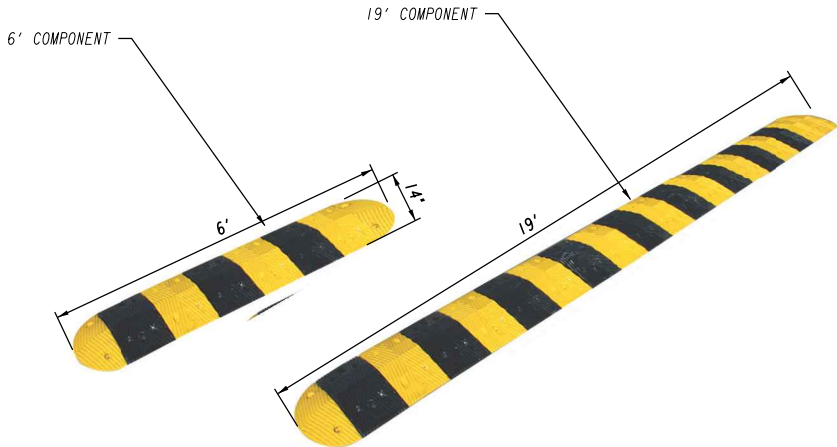
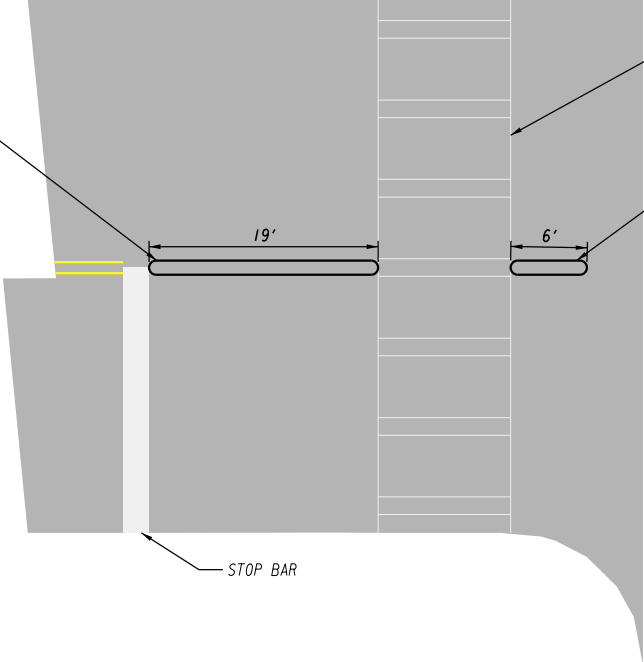
CHECKED:	DATE:	DRAWING No.
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CORRECTED:	DATE:	
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① CENTERLINE HARDENING UNIT

PLACE 19' COMPONENT AGAINST CROSSWALK AND EXTEND ALONG CENTERLINE TOWARDS STOP BAR. CENTERLINE HARDENING UNIT MAY EXTEND PAST STOP BAR - SEE PLANS.

NOTES:

- 1. THIS DETAIL APPLIES TO THE TREETOP PRODUCTS LEFT TURN CALMING - BASIC HARDENED CENTERLINE KIT - 19' LENGTH. CONTACT THE ENGINEER BEFORE USING ANY ALTERNATIVE PRODUCT OR DIMENSIONS.
- 2. ALL CENTERLINE HARDENING UNITS SHALL BE CAPPED WITH END CAPS.
- 3. FOLLOW MANUFACTURER INSTRUCTIONS FOR INSTALLATION.



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STANDARD "PIANO KEY"
STYLE CROSSWALK

PLACE 6' COMPONENT
AGAINST CROSSWALK AND
EXTEND ALONG CENTERLINE
INTO INTERSECTION.

STOP BAR

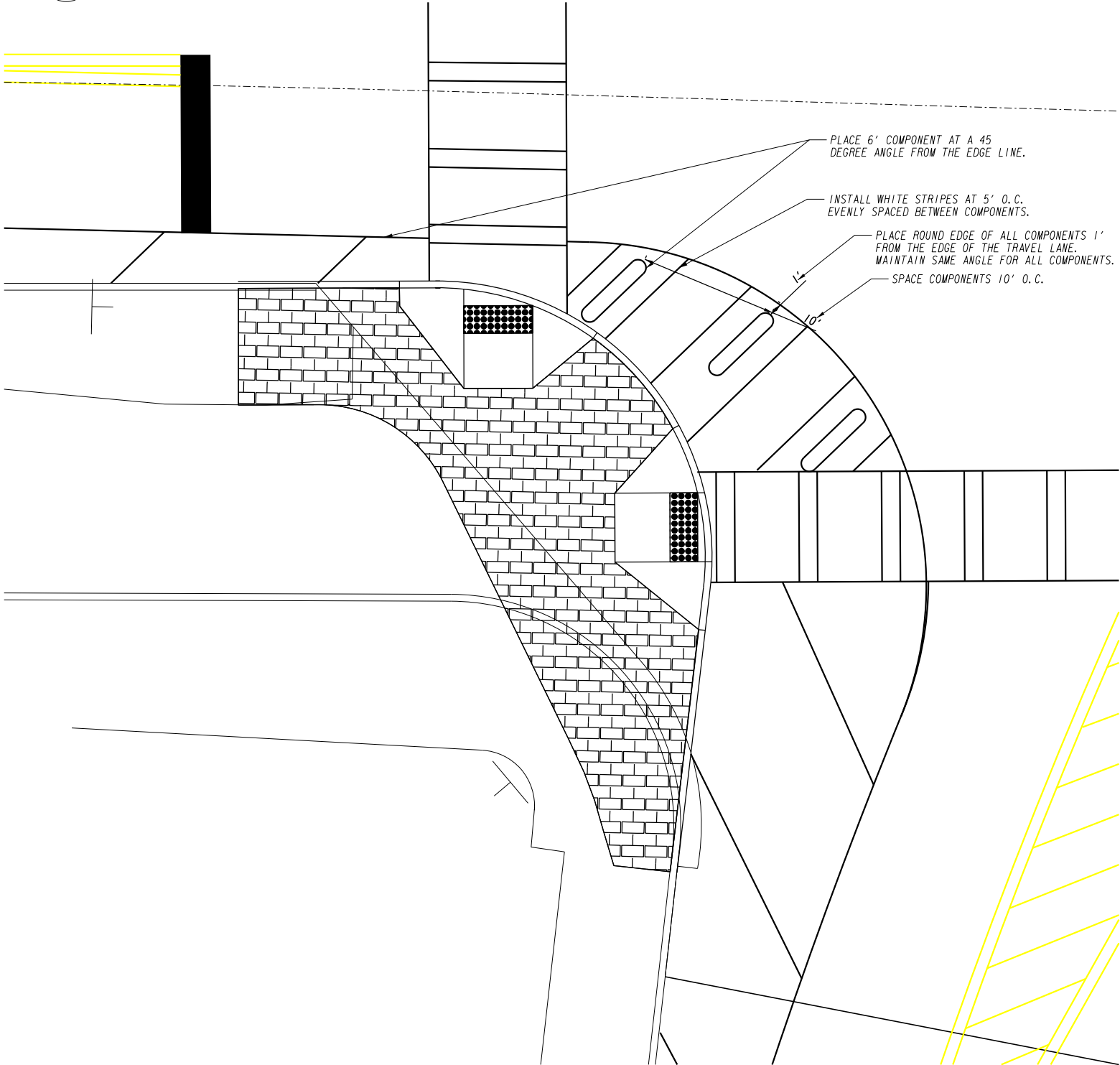
6' COMPONENT

19' COMPONENT

6"

14"

② TURN CALMING SPEED BUMP DETAIL



PLACE 6' COMPONENT AT A 45
DEGREE ANGLE FROM THE EDGE LINE.

INSTALL WHITE STRIPES AT 5' O.C.
EVENLY SPACED BETWEEN COMPONENTS.

PLACE ROUND EDGE OF ALL COMPONENTS 1'
FROM THE EDGE OF THE TRAVEL LANE.
MAINTAIN SAME ANGLE FOR ALL COMPONENTS.

SPACE COMPONENTS 10' O.C.

CITY OF ATLANTA



DEPARTMENT OF TRANSPORTATION

REVISION DATES

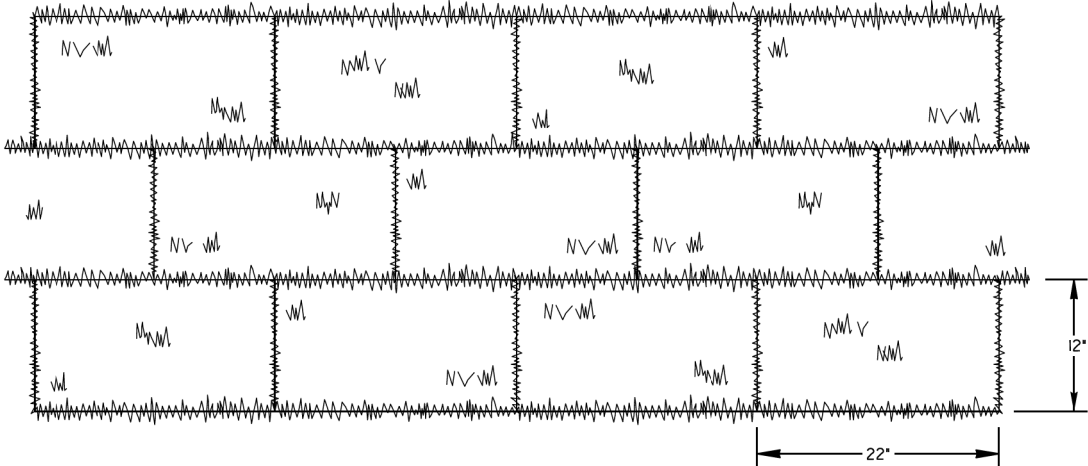
SPECIAL CONSTRUCTION DETAIL

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38-0005

REVISION DATES			CONSTRUCTION DETAILS				
			CHECKED:		DATE:		DRAWING No. 38-0006
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		

SOD LAYOUT

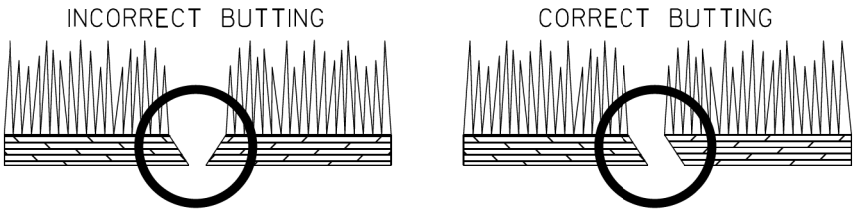


NOTE: SOD MAY BE EITHER 12' WIDE BY 22' LONG BLOCKS OR 2' WIDE BY 52' LONG ROLLS.

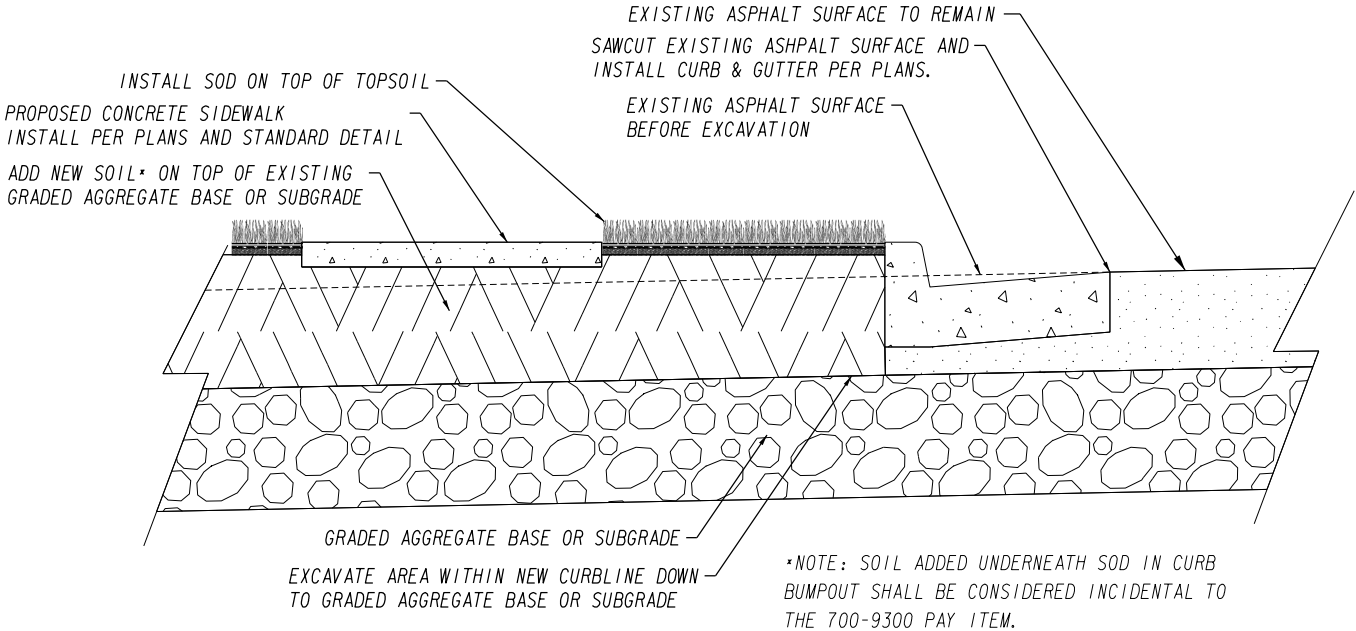
GENERAL NOTES:

- SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 2"Wx52"L ROLLS.
- PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
- PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
- STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

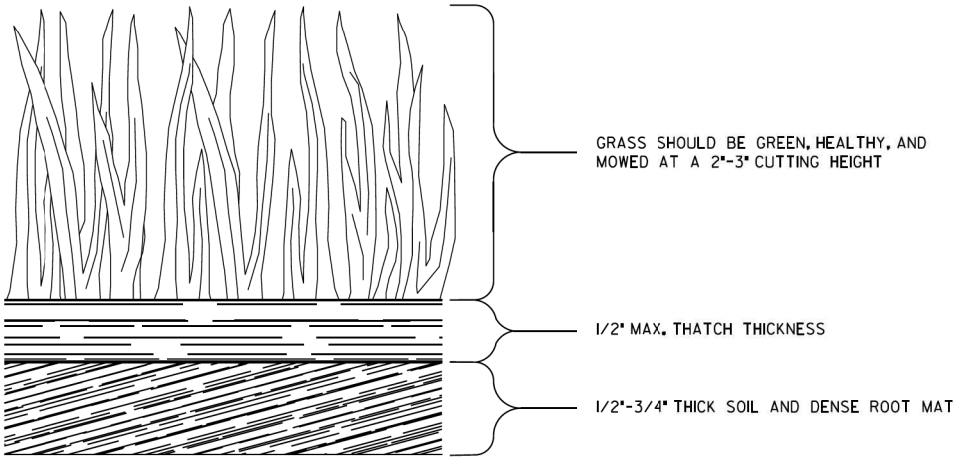
ABUTTING SOD



CURB BUMPOUTS - SOD OVER FORMER ASPHALT SURFACE



SOD APPEARANCE



REVISION DATES

SPECIAL CONSTRUCTION DETAILS

CHECKED:	DATE:	DRAWING No.
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12" WHITE FOR EDGES OF BOX —
EDGES OF BOX SHALL BE IN LINE WITH
VEHICLE EDGELINE STRIPE FOR BOLTON RD
ACROSS INTERSECTION



REVISION DATES			SPECIAL CONSTRUCTION DETAIL				
			CHECKED:		DATE:		DRAWING No. 38-0013
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		

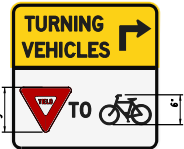
13 R10-15 SIGNS



R10-15A(R)
30" X 30"



R10-15A(L)
30" X 30"



R10-15B(R)
30" X 30"



R10-15B(L)
30" X 30"



R10-15C(R)
30" X 36"



R10-15C(L)
30" X 36"

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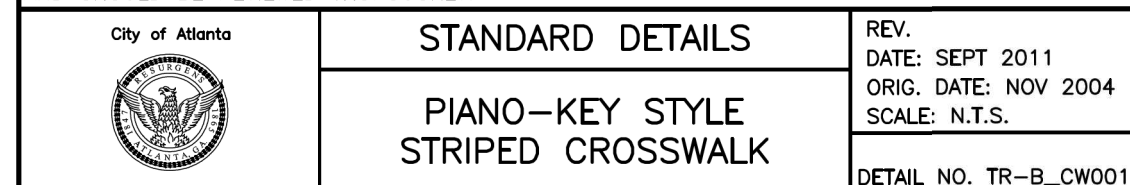
DEPARTMENT OF TRANSPORTATION

REVISION DATES

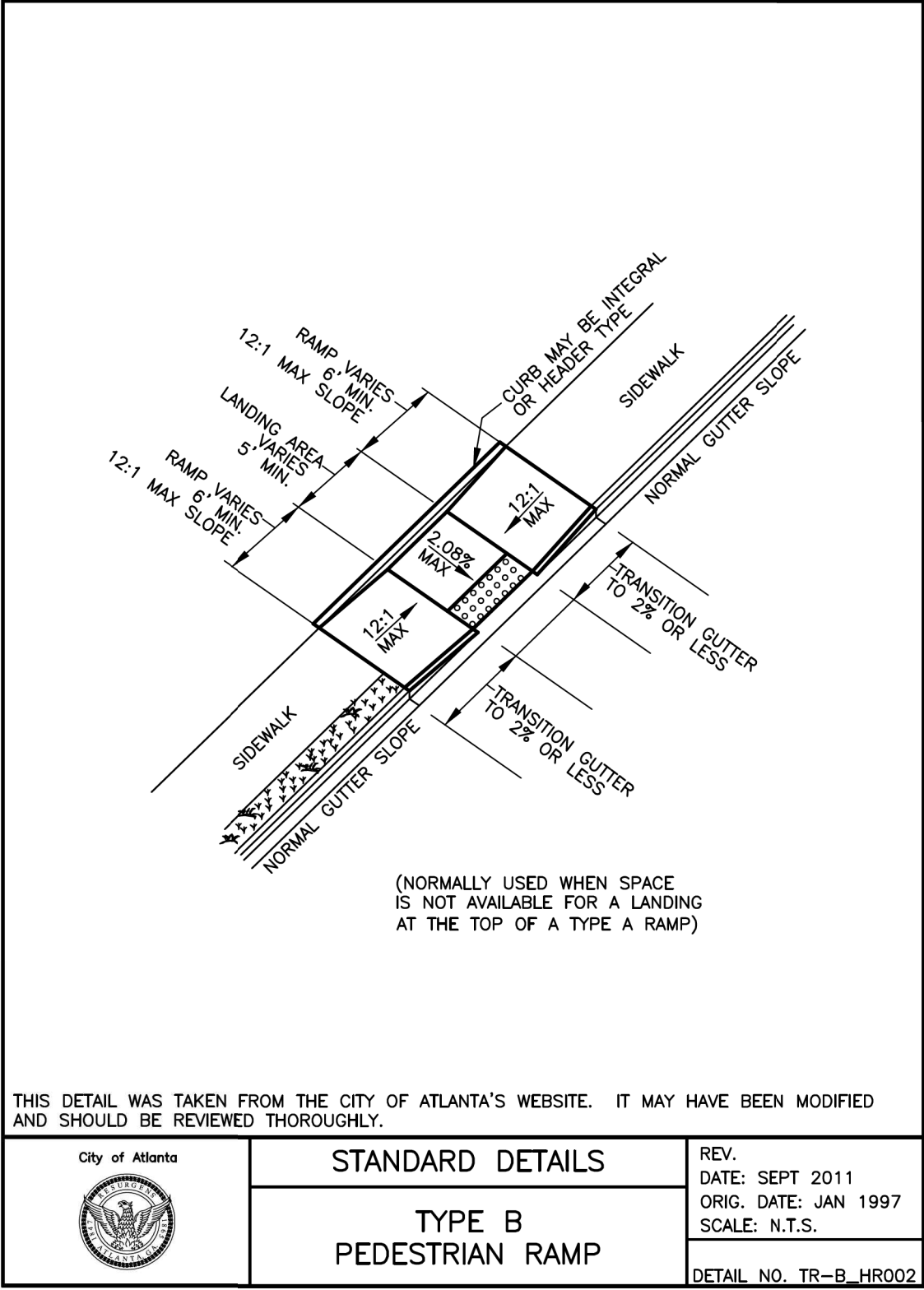
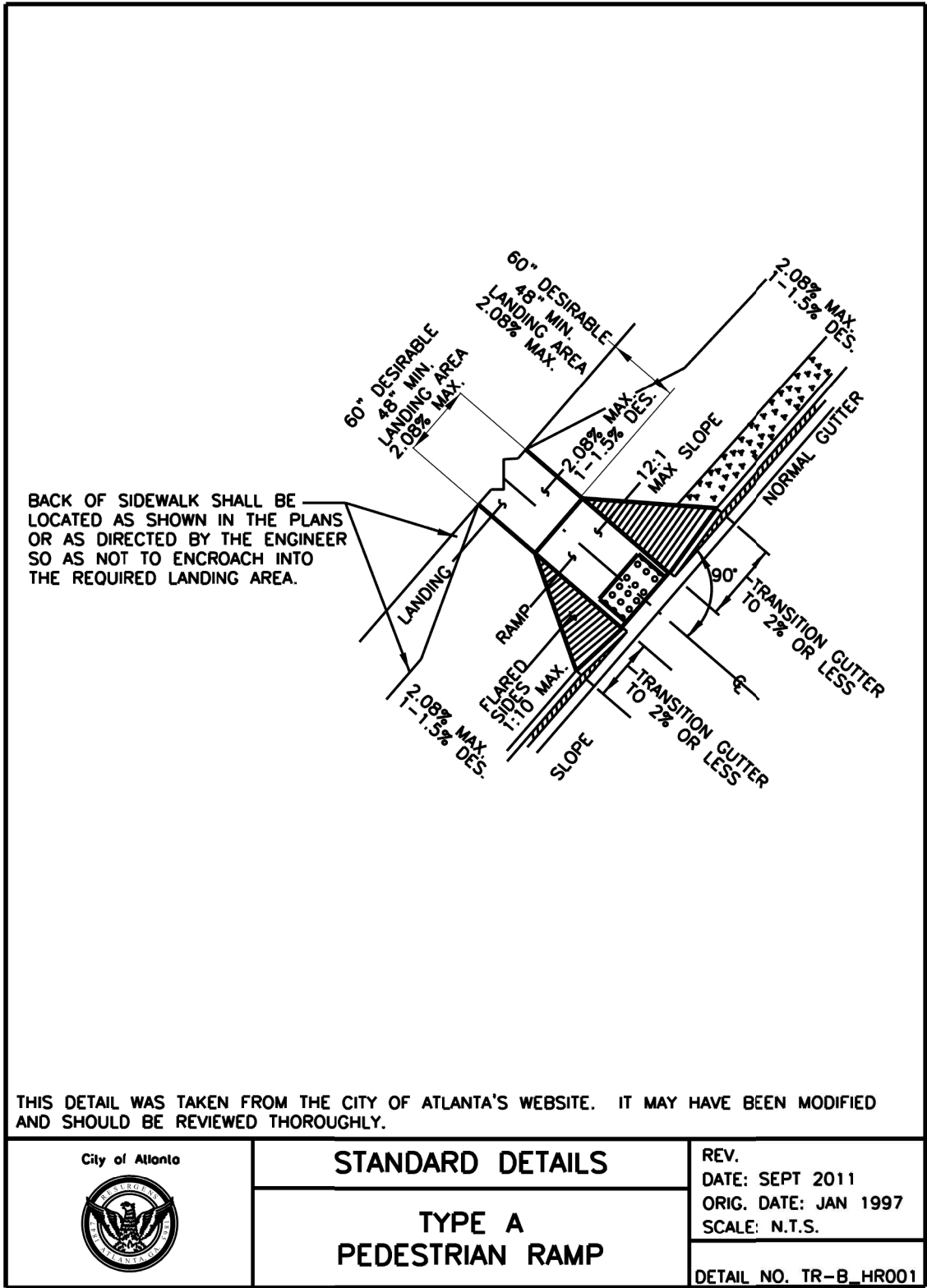
SPECIAL CONSTRUCTION DETAIL

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VERIFIED:		DATE:		

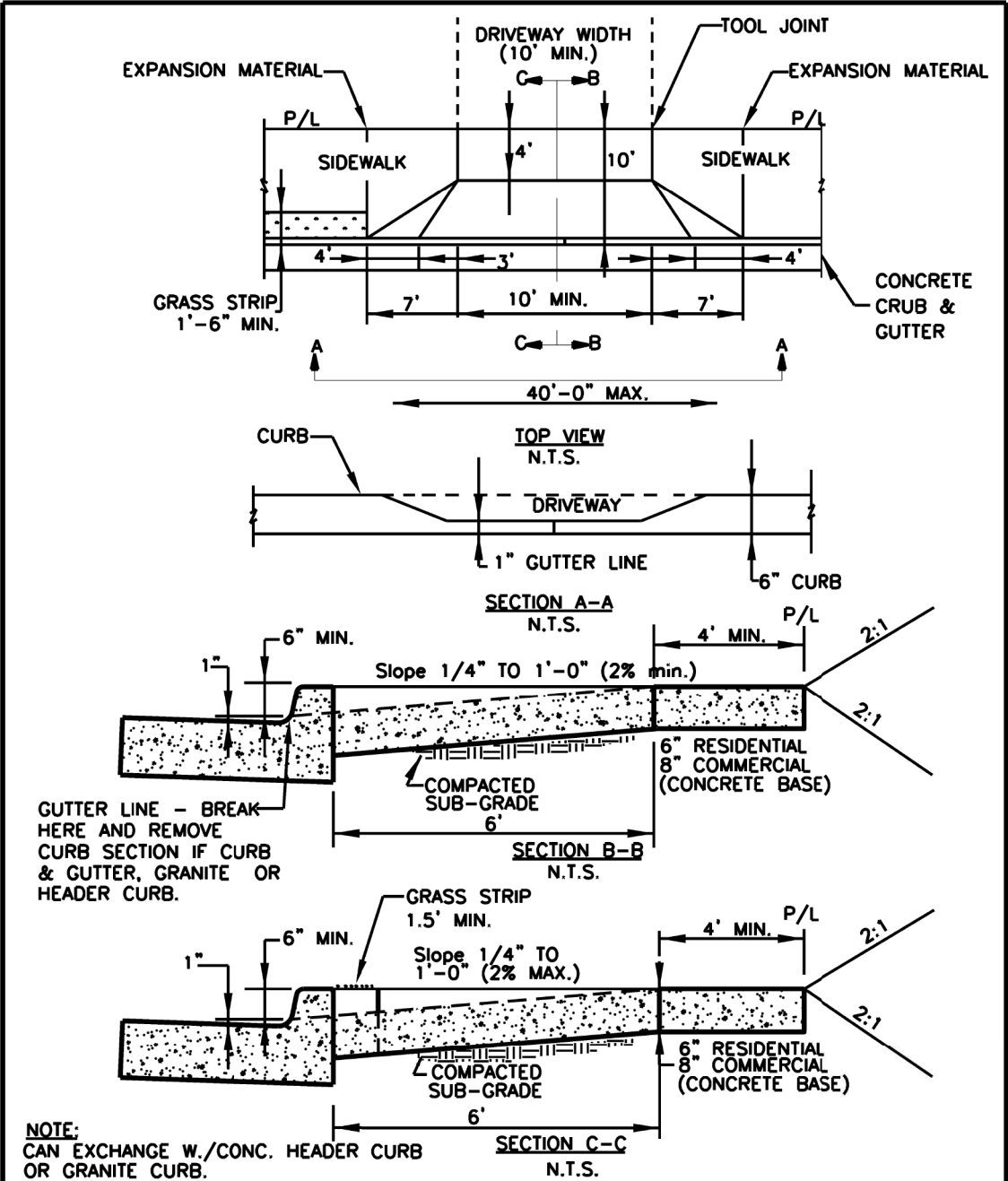
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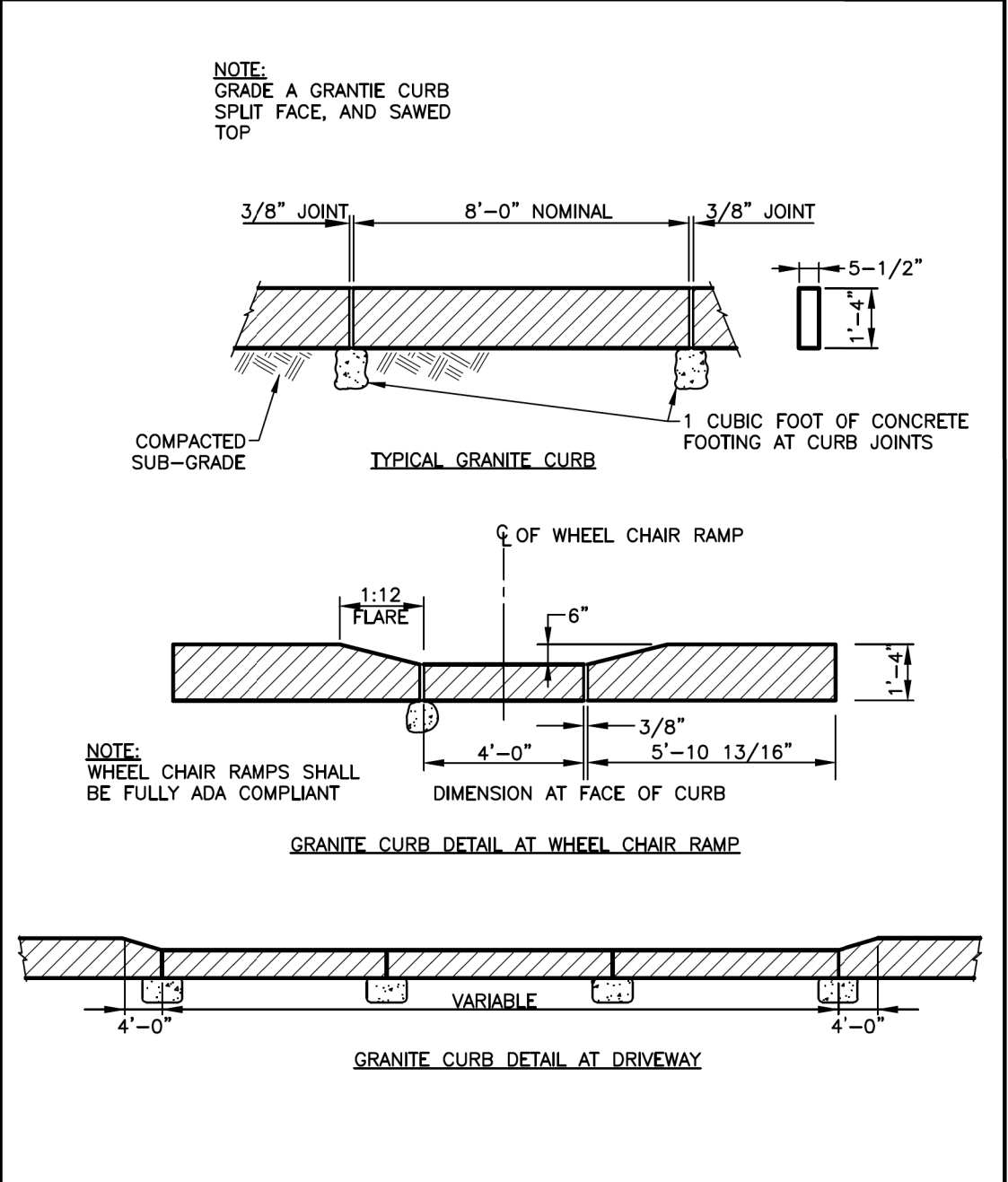
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			VERIFIED:		DATE:		



CHECKED:	DATE:	DRAWING No. 40-0003
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



	STANDARD DETAILS	REV. DATE: MAY 2016
	STANDARD DRIVEWAY DETAIL	ORIG. DATE: NOV 2004
		SCALE: N.T.S.
DETAIL NO. TR-B_DR005		



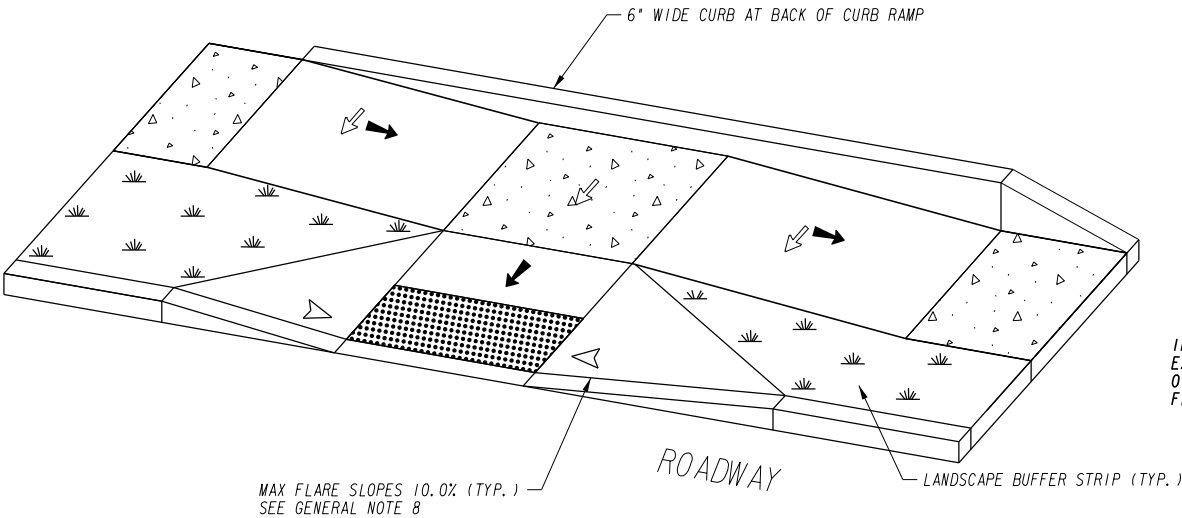
	STANDARD DETAILS	REV. DATE: SEPT 2011
	GRANITE CURB AT DRIVEWAY	ORIG. DATE: NOV 2004
		SCALE: N.T.S.
DETAIL NO. TR-B_CG002		

COMBINATION PERPENDICULAR AND PARALLEL CURB RAMP DETAIL

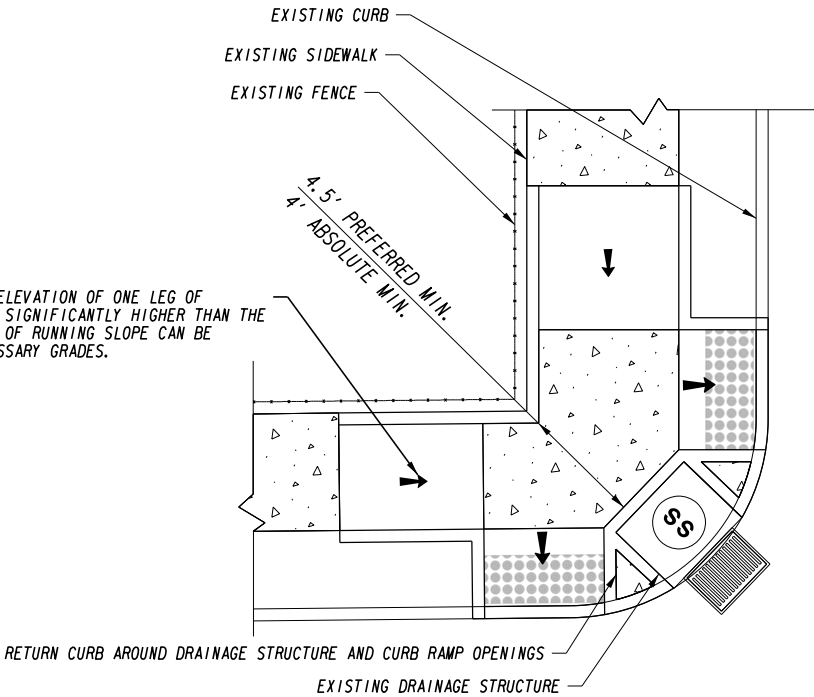
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. SITE CONDITIONS NORMALLY REQUIRE A PROJECT SPECIFIC DESIGN. SEE PROJECT PLANS FOR DETAILS NOT SHOWN.
2. TOOLED JOINTS ARE REQUIRED AT ALL CURB RAMP SLOPE BREAK LINES.
3. PLACE DETECTABLE WARNING SURFACE (DWS) AT THE BACK OF CURB FOR A MINIMUM DEPTH OF 2' IN THE DIRECTION OF PEDESTRIAN TRAVEL. ENSURE THAT THE DWS IS THE FULL WIDTH OF THE CURB RAMP OPENING.
4. RETURNED CURBS SHALL BE PROVIDED WHERE FIXED OBJECT WOULD OBSTRUCT FLARE SLOPE. RETURN CURB SHALL NOT REDUCE WIDTH OF APPROACHING SIDEWALK.
5. CURB RAMP FOR SHARED USE PATHS INTERSECTING A ROADWAY SHALL BE FULL WIDTH OF PATH, EXCLUDING FLARES. WHEN A CURB RAMP IS USED TO PROVIDE BICYCLE ACCESS FROM A ROADWAY TO A SIDEWALK, THE CURB RAMP OPENING WILL BE >= 8' WIDE.
6. GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMP RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF RAMP RUNS AND TURNING SPACES. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH.

COMBINATION PERPENDICULAR AND PARALLEL CURB RAMP

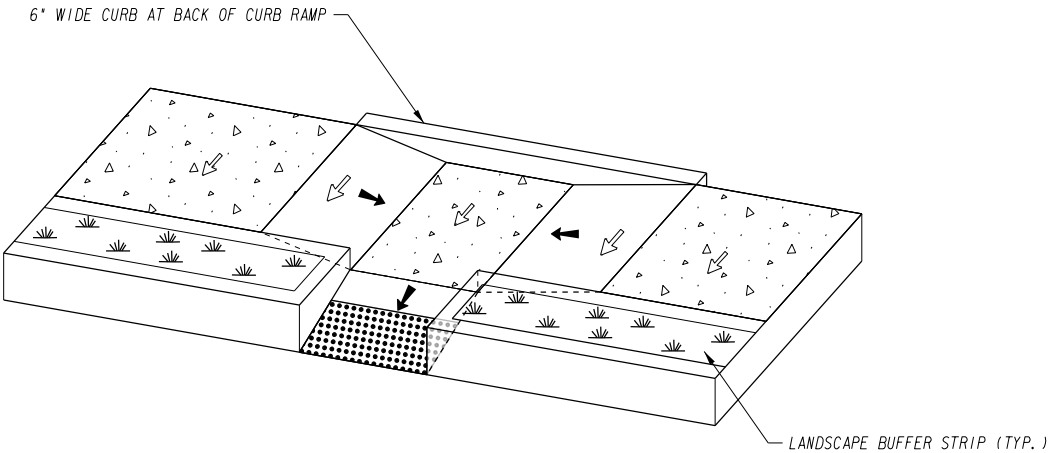


COMBINATION CURB RAMP AT CONSTRAINED CORNER



-  DETECTABLE WARNING SURFACE
-  LEVEL AREA (TURNING SPACE/LANDING)
UNOBSTRUCTED 4.5' X 4.5' PREFERRED MIN
WITH OBSTRUCTION 4.5' X 5.5' (LONGER DIMENSION IN DIRECTION OF PEDESTRIAN STREET CROSSING).
- FOR THE PURPOSES OF THIS APPLICATION, A MAX. 2.0% FINISHED SURFACE SLOPE (FOR DRAINAGE) MEASURED IN TWO PERPENDICULAR DIRECTIONS IS CONSIDERED LEVEL.
-  CROSS SLOPE 1.5% PREFERRED MAX
(MAX 2.0% FINISHED SURFACE SLOPE)
-  RUNNING SLOPE 7.5% PREFERRED MAX.
(MAX 8.3% FINISHED SURFACE SLOPE)
-  FLARE SLOPE
(MAX 10.0% FINISHED SURFACE SLOPE)

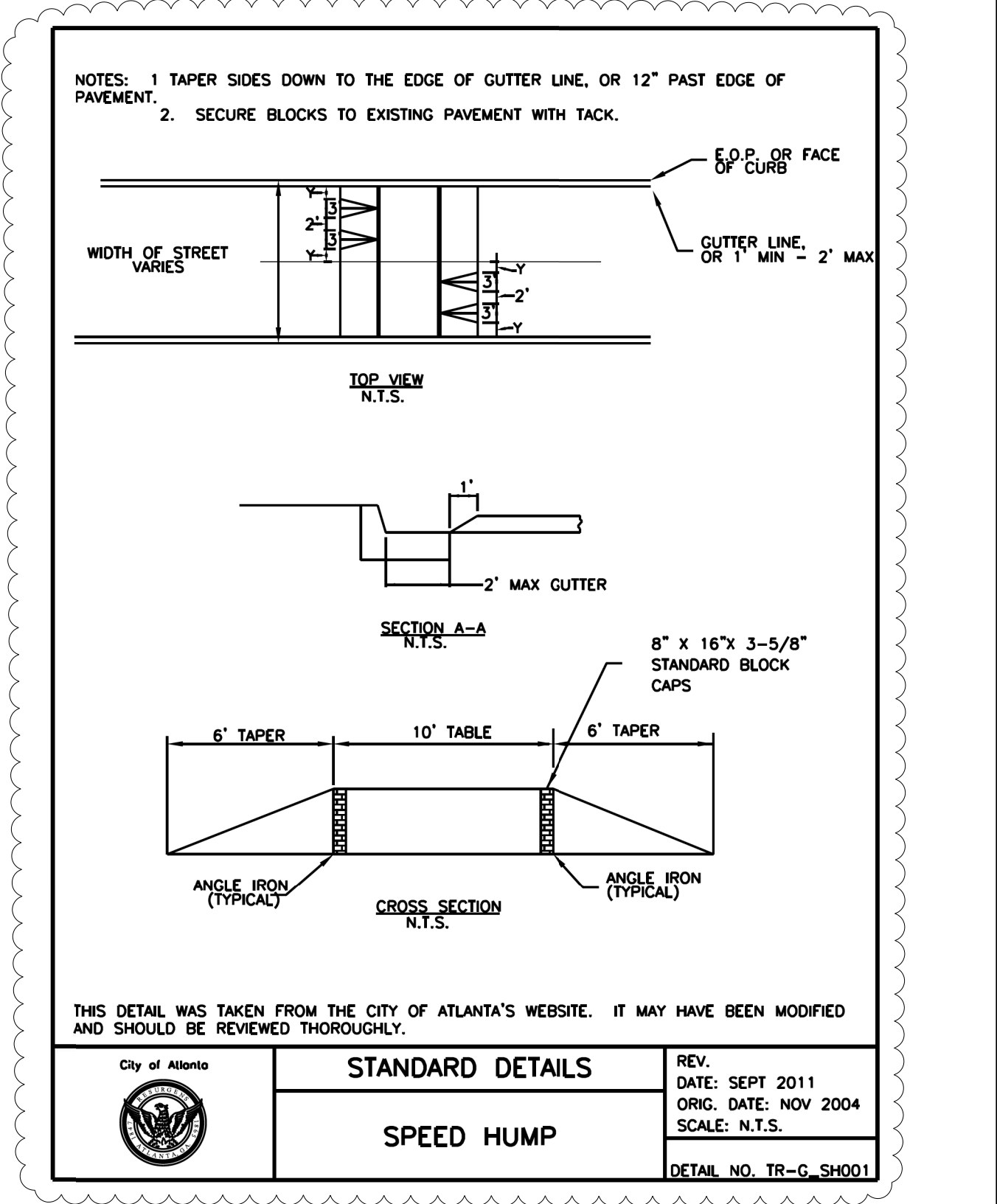
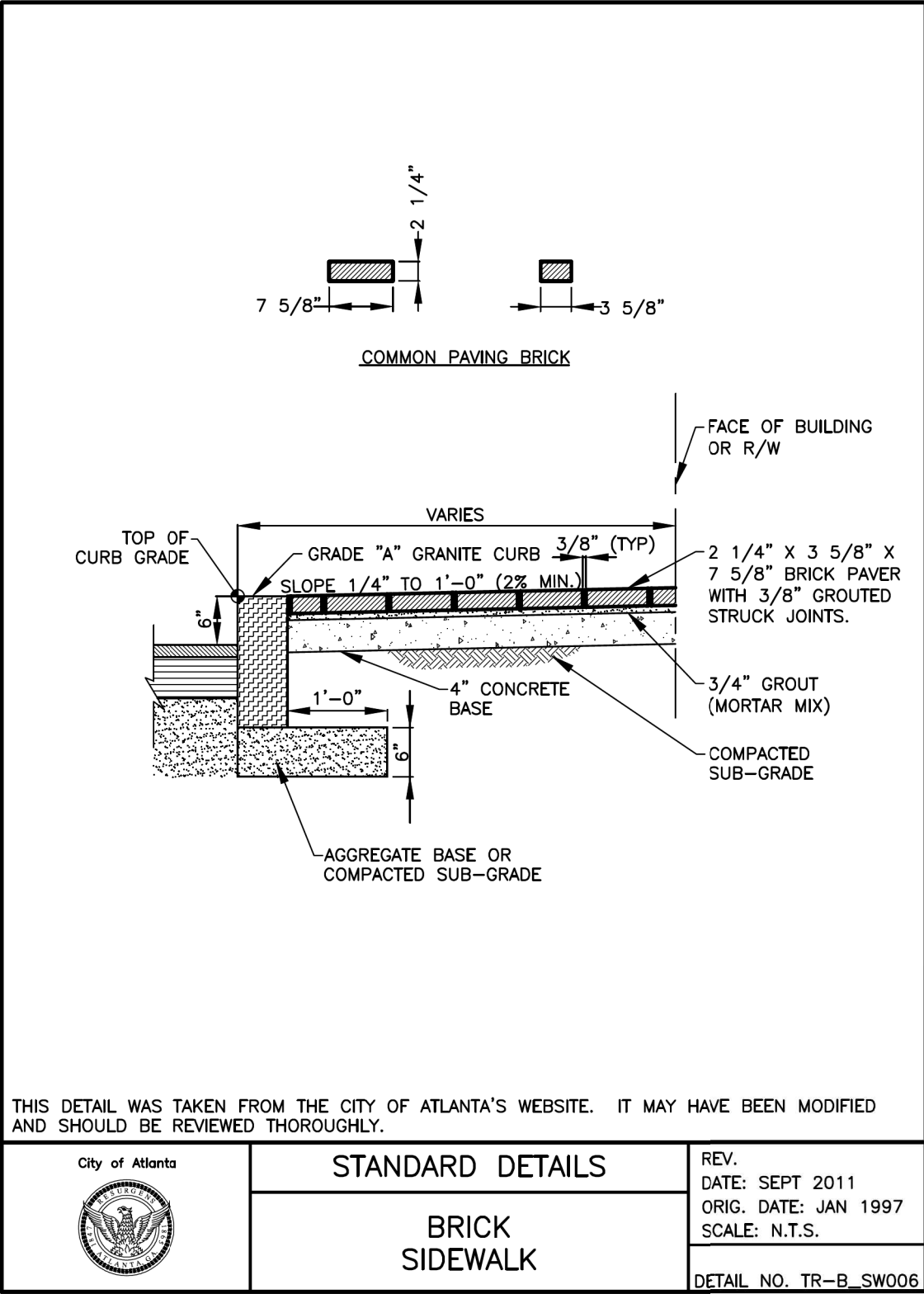
COMBINATION CURB RAMP WITH RETURNED CURBS

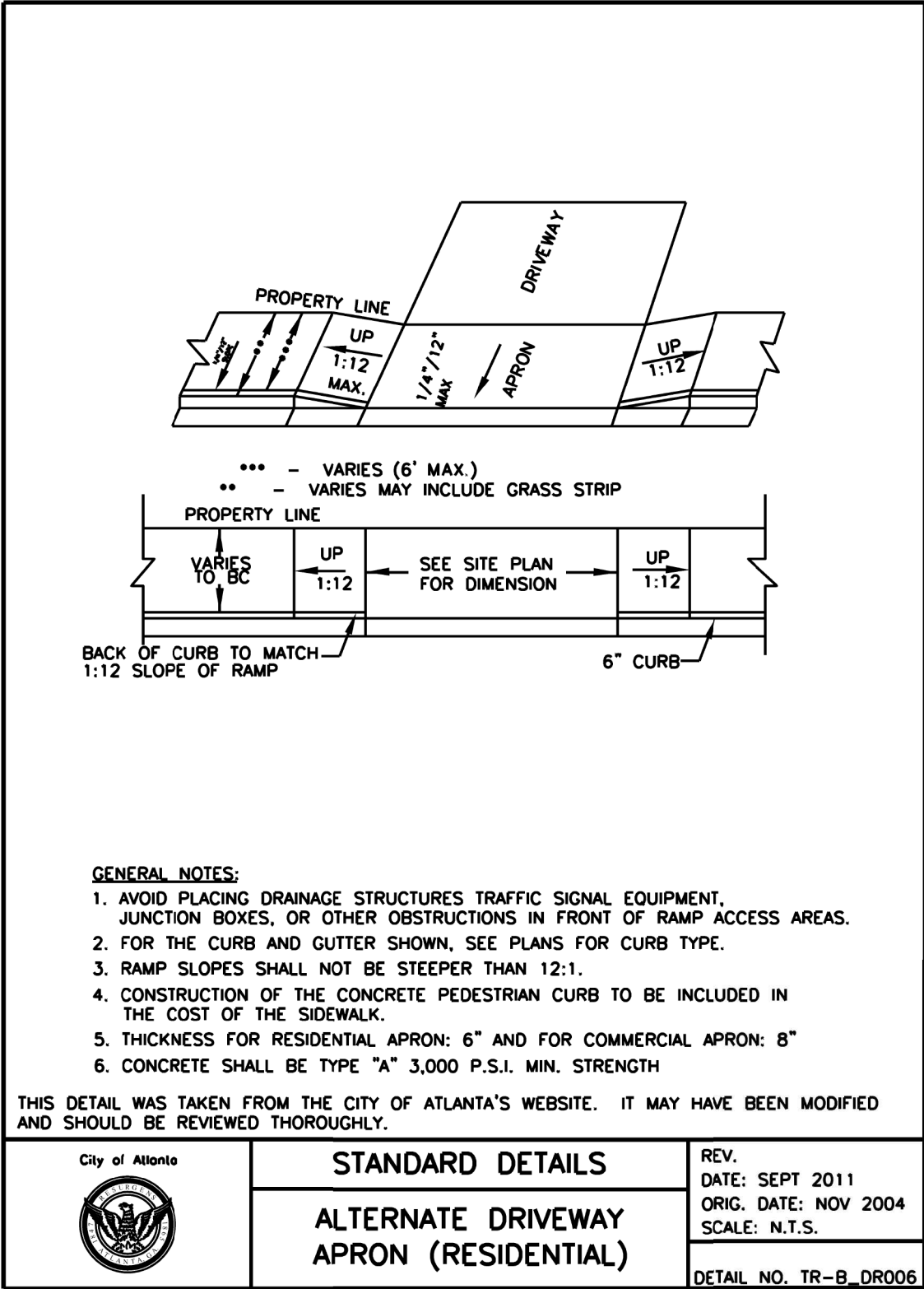


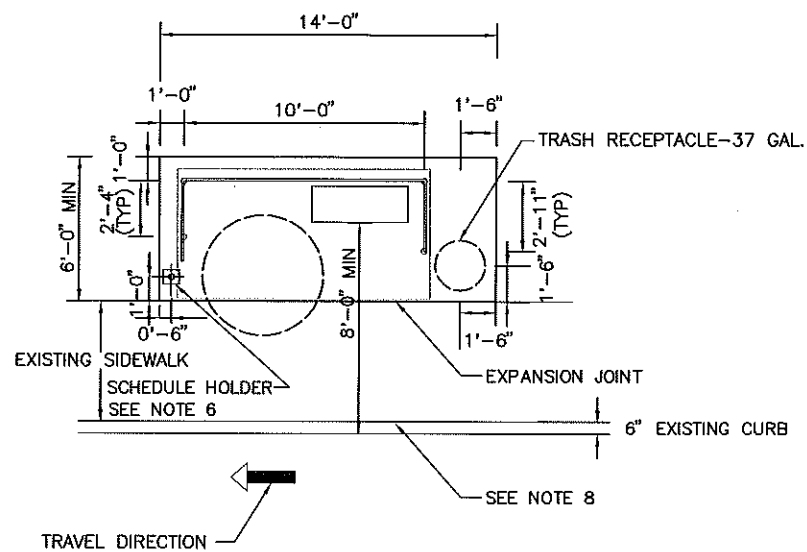
REVISION DATES

CONSTRUCTION DETAILS LMIG 2021

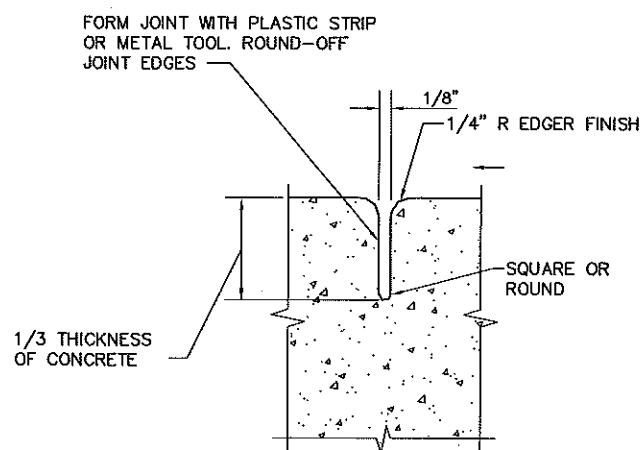
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VERIFIED:		DATE:		



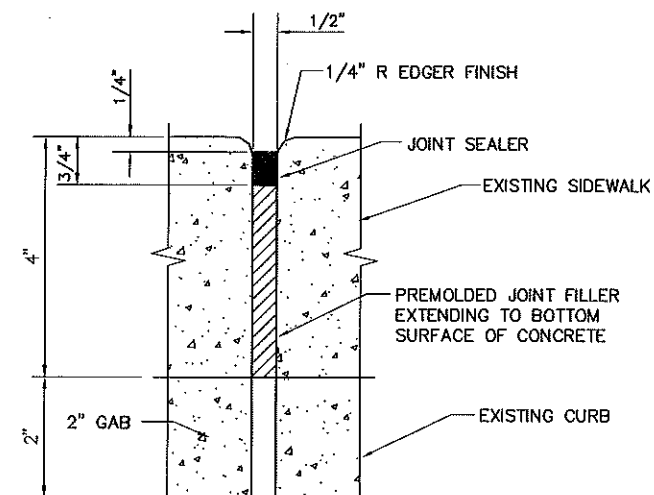




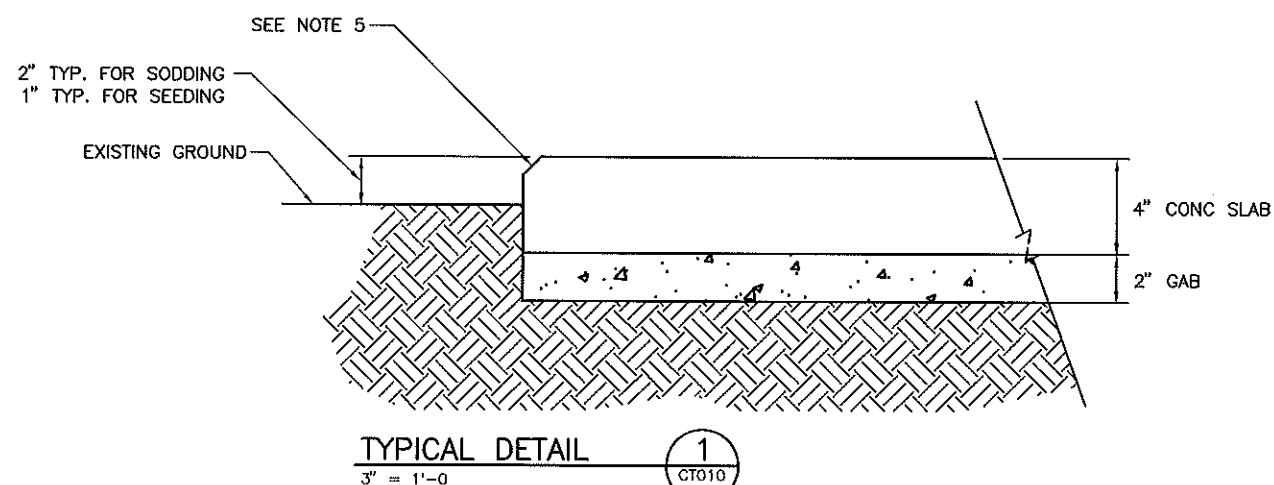
PAD TYPE 1
(SITES WITH SIDEWALK)



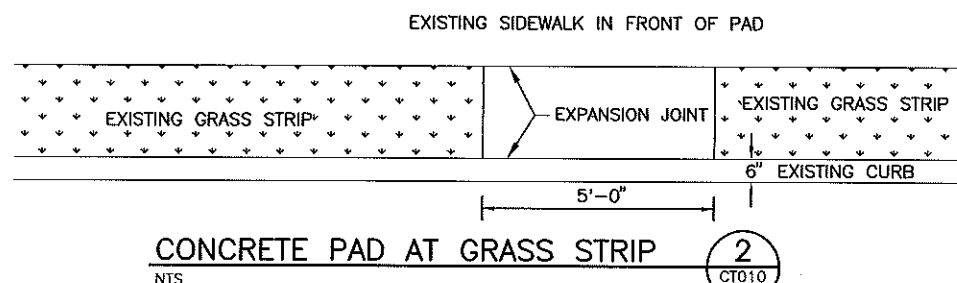
CONTROL JOINT
NTS



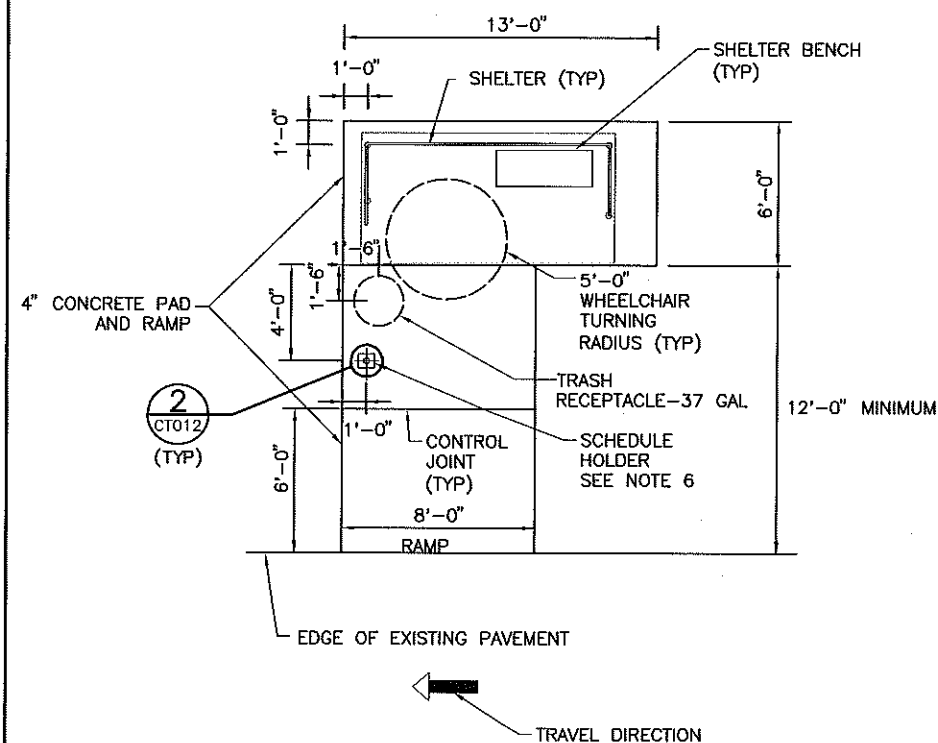
EXPANSION JOINT
NTS



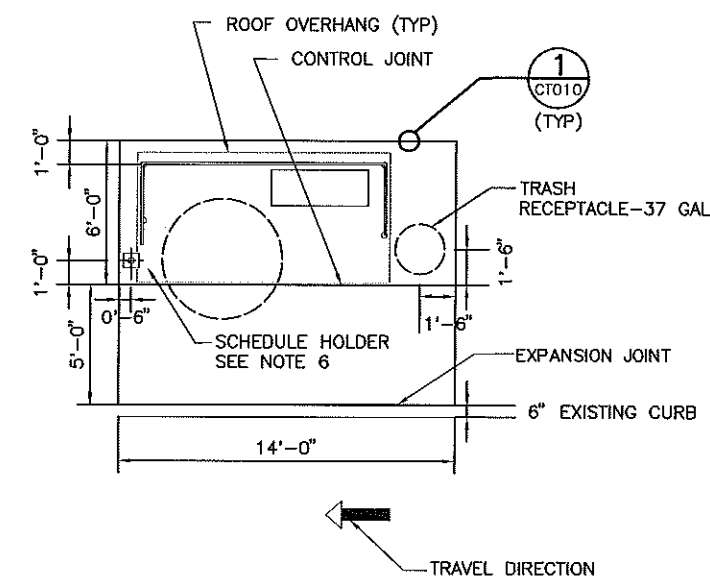
TYPICAL DETAIL
NTS



CONCRETE PAD AT GRASS STRIP
NTS



PAD TYPE 3
(SITES WITHOUT CURB)



PAD TYPE 2
(SITES WITHOUT SIDEWALK)

- NOTES**
- PAD SLOPE TO BE 2% MAXIMUM.
 - 4" CONCRETE FOR THE PAD AND RAMP SHALL BE CLASS 4000E PSI. MINIMUM WITH FIBER REINFORCEMENT. PLACE CONCRETE PAD ON 2" OF GRADED AGGREGATE BASE (GAB).
 - BENCH AND SHELTER INSTALLATION SHALL BE AS PER THE MANUFACTURER'S SHOP DRAWINGS.
 - PLACE PREMOLDED EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB OR SIDEWALK AND PAD.
 - FORM ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" X 45 DEGREE CHAMFER.
 - SCHEDULE HOLDER TO BE INSTALLED FOR "OLD BRONZE-TINTED SHELTER" INSTALLATION ONLY. SEE DETAIL 2, DRAWING CT012.
 - SEE DRAWING NO. CT011 FOR SEEDING AND SODDING PAY LIMITS.
 - FOR EXISTING SIDEWALKS WITH GRASS STRIP, PROVIDE 5' WIDE CONCRETE PAD ACROSS GRASS STRIP. SEE DETAIL 2, THIS SHEET.

REV.	DATE	BY	SUB.	APP.	DESCRIPTION	REV.	DATE	BY	SUB.	APP.	DESCRIPTION

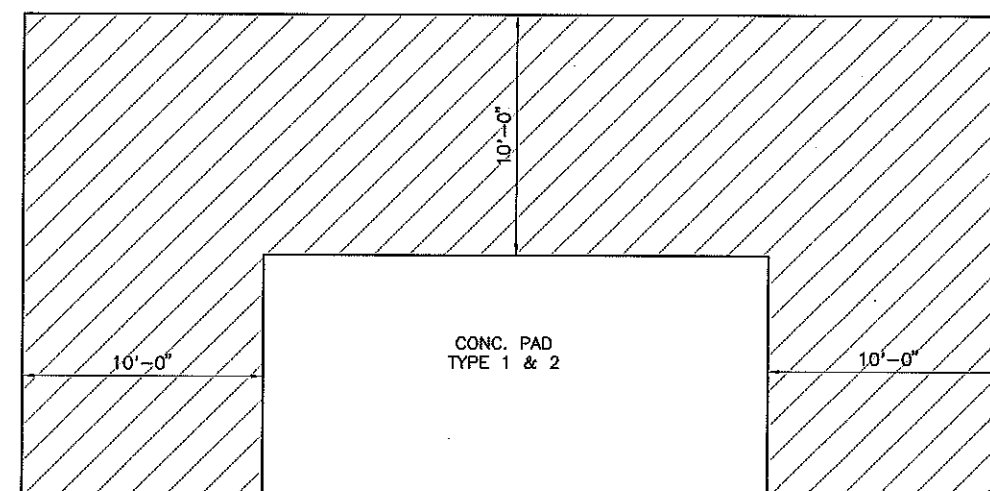
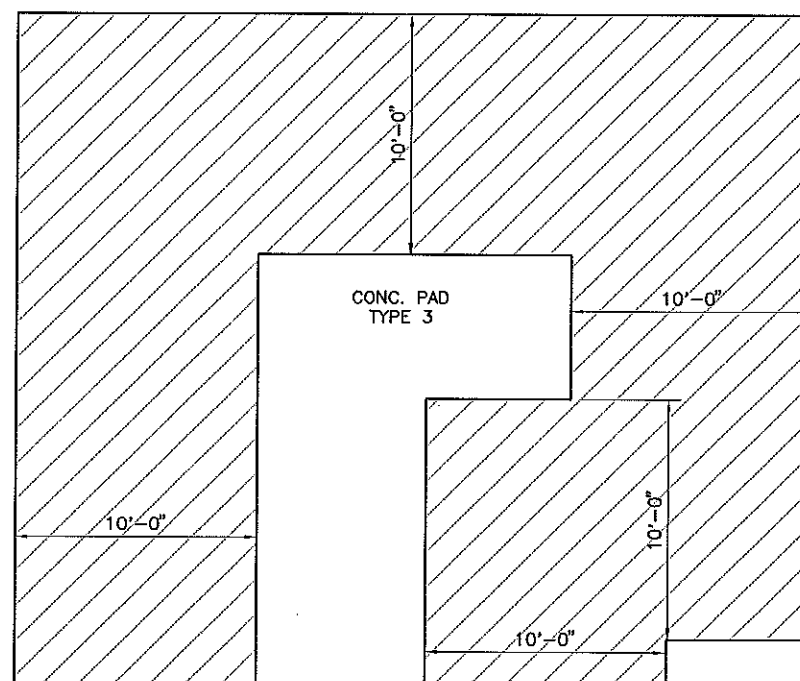
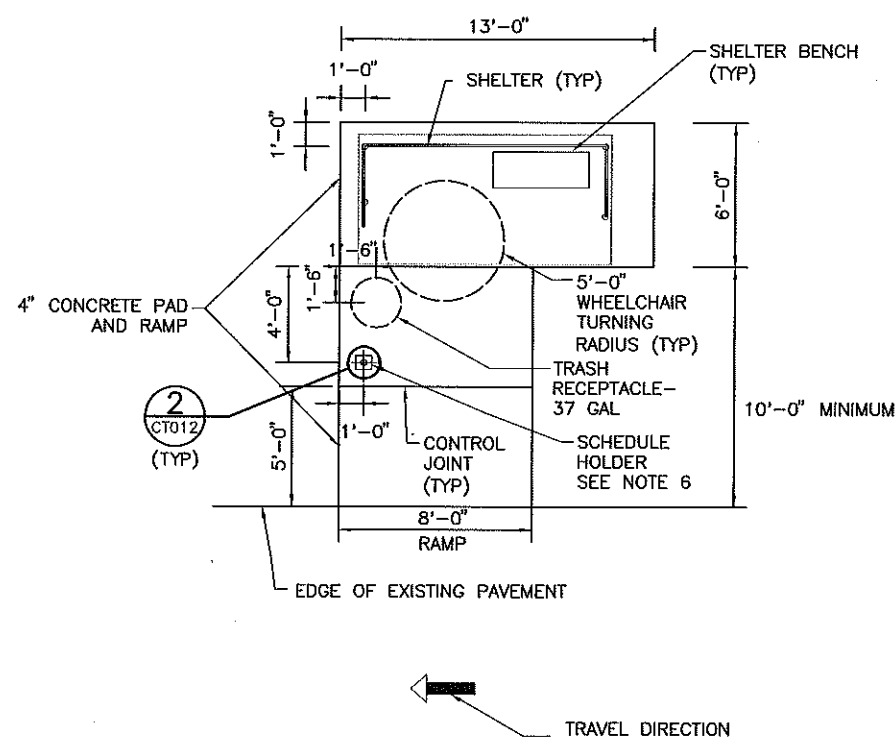
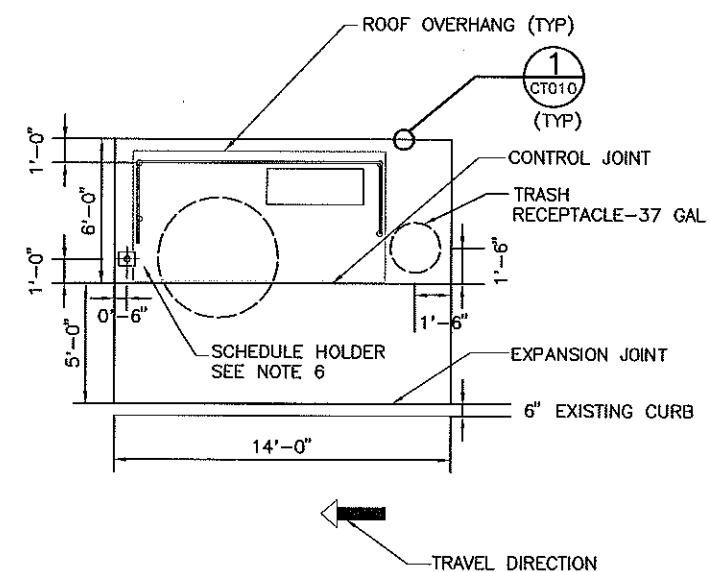
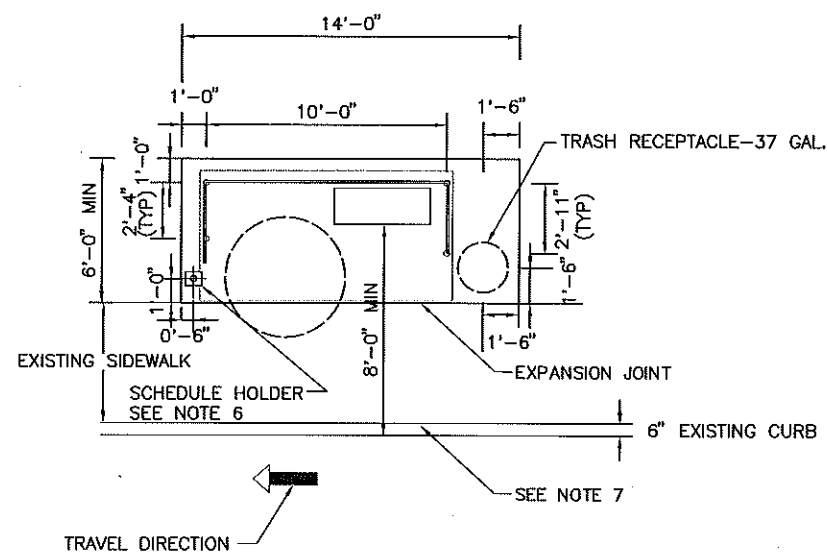
METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

M A T T
Metro Atlanta Transit Team

BUS SHELTERS AND BENCHES

CITY AND COUNTY ROADS
MARTA BUS SHELTER
PAD DIMENSIONS

SCALE	1/4" = 1'-0"
CONTRACT PROPOSAL NUMBER	31589
DRAWING NO.	CT010
REV.	0
PAGE NO	XX

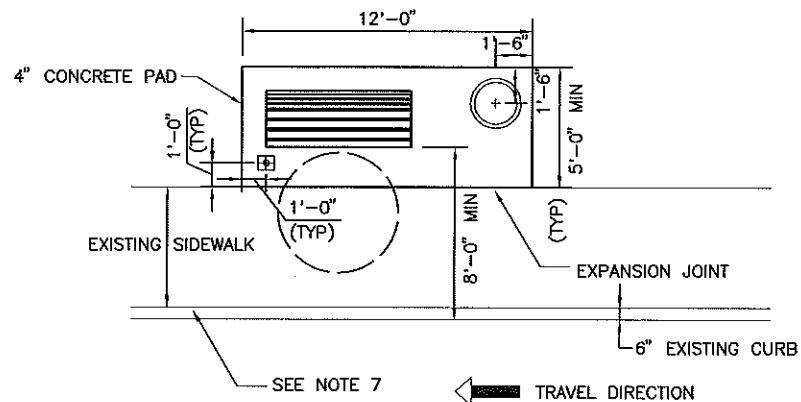


SEEDING AND SODDING PAY LIMITS

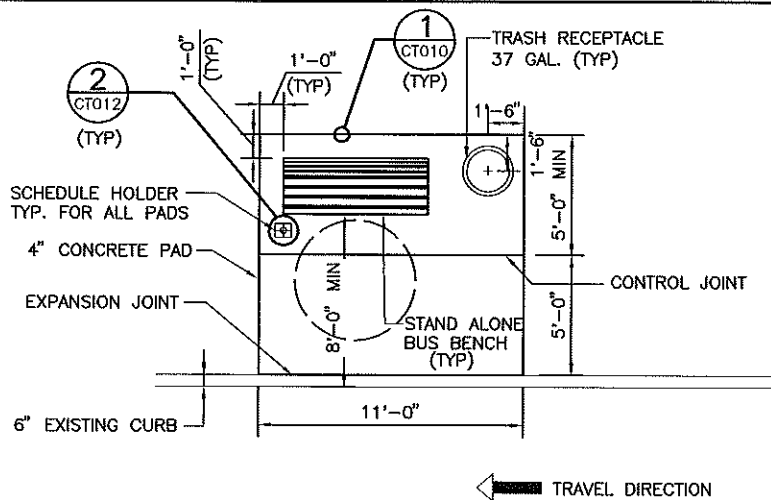
- NOTES**
1. PAD SLOPE TO BE 2% MAXIMUM.
 2. 4" CONCRETE FOR THE PAD AND RAMP SHALL BE CLASS 4000E PSI, MINIMUM WITH FIBER REINFORCEMENT. PLACE CONCRETE PAD ON 2" OF GRADED AGGREGATE BASE (GAB).
 3. BENCH AND SHELTER INSTALLATION SHALL BE AS PER THE MANUFACTURER'S SHOP DRAWINGS.
 4. PLACE PREMOLDED EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB OR SIDEWALK AND PAD.
 5. SEE SECTION 1 ON CT010 FOR SLAB TYPICAL DETAILS.
 6. SCHEDULE HOLDER TO BE INSTALLED FOR "OLD BRONZE-TINTED SHELTER" INSTALLATION ONLY. SEE DETAIL 2, DRAWING CT012.
 7. FOR EXISTING GRASS STRIP, PROVIDE 5' WIDE CONCRETE AND ACROSS GRASS STRIP. SEE DETAIL 2, SHEET CT010.

[illegible]

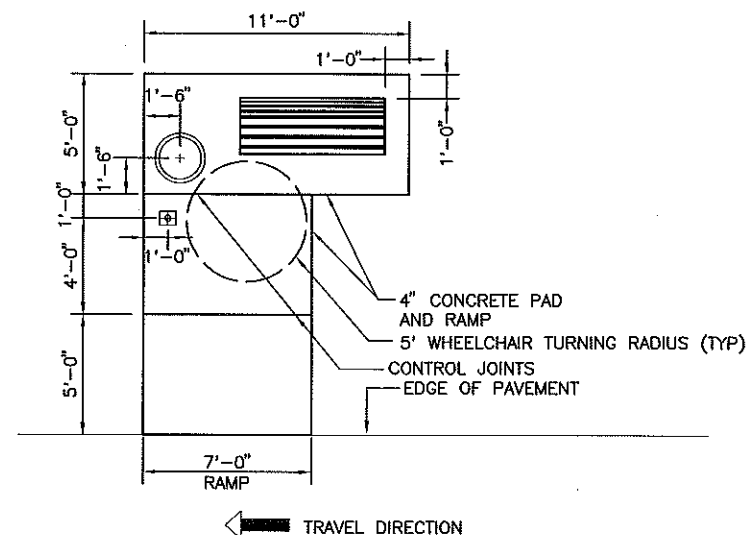
METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY		BUS SHELTERS AND BENCHES	
M A T T Metro Atlanta Transit Team		SCALE 1/4" = 1'-0"	
SUBMITTED _____		CONTRACT PROPOSAL NUMBER 31589	
APPROVED _____		STATE AND FEDERAL AID ROAD (GDOT) MARTA BUS SHELTER PAD DIMENSIONS	
		DRAWING NO. REV. PAGE NO. CT011 0 XX	



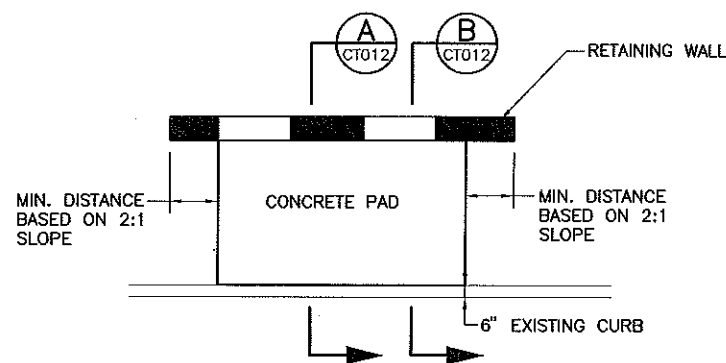
PAD TYPE 1
SITES WITH SIDEWALK



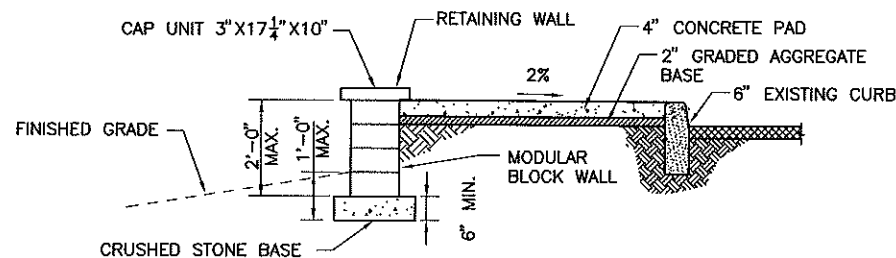
PAD TYPE 2
SITES WITHOUT SIDEWALK



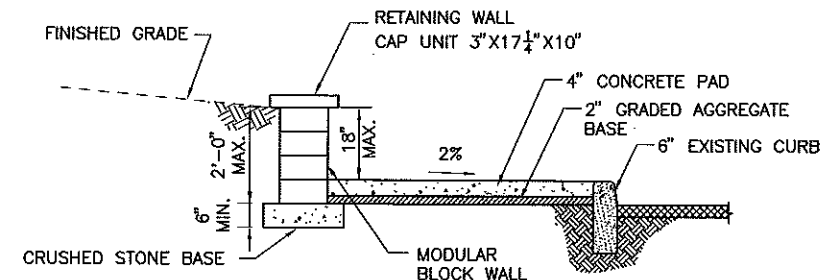
PAD TYPE 3
SITES WITHOUT CURB



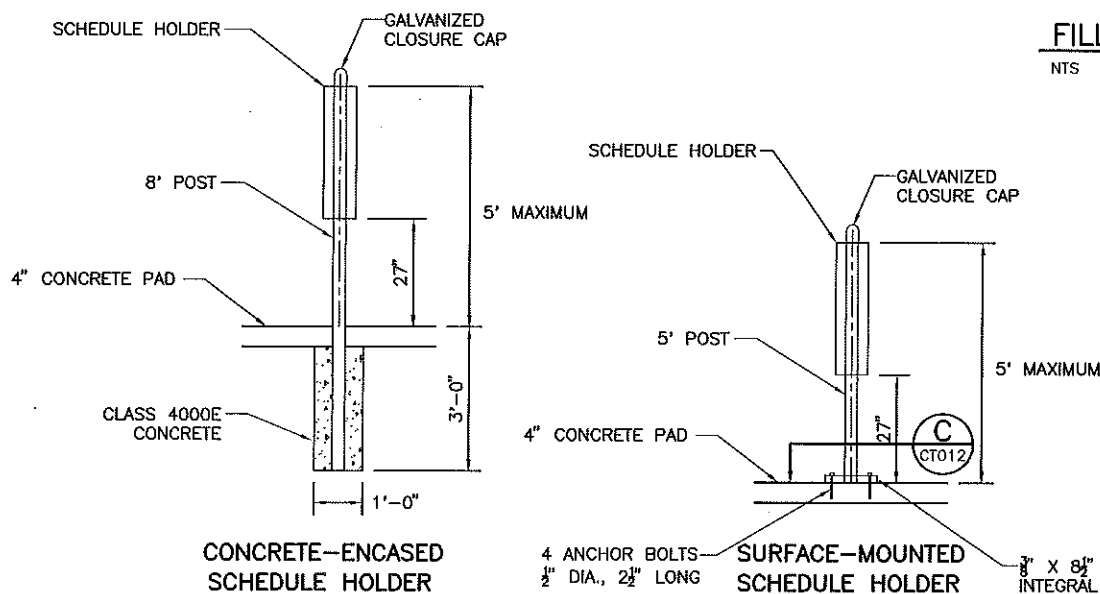
DETAIL OF WALL
NTS



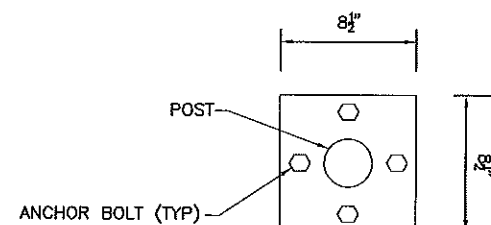
FILL SECTION A
NTS



CUT SECTION B
NTS



SCHEDULE HOLDER DETAILS
SCALE: 1/2" = 1'-0"



SURFACE MOUNT SECTION C
NTS

NOTES

- PAD SLOPE TO BE 2% MAXIMUM.
- 4" CONCRETE FOR THE PAD AND RAMP SHALL BE CLASS 4000E PSI. MINIMUM WITH FIBER REINFORCEMENT. PLACE CONCRETE PAD ON 2" OF GRADED AGGREGATE BASE (GAB).
- BENCH INSTALLATION SHALL BE AS PER THE MANUFACTURER'S SHOP DRAWINGS.
- PLACE PREMOLDED EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB OR SIDEWALK AND PAD.
- SEE SECTION 1 ON CT010 FOR SLAB TYPICAL DETAILS.
- SEE DETAILS ON CT011 FOR SEEDING AND SODDING PAY LIMITS. SEE DETAIL 2, THIS SHEET.
- FOR EXISTING GRASS STRIP, PROVIDE 5' WIDE CONCRETE AND ACROSS GRASS STRIP. SEE DETAIL 2, DRAWING CT010.

REV.	DATE	BY	SUB.	APP.	DESCRIPTION	REV.	DATE	BY	SUB.	APP.	DESCRIPTION

METROPOLITAN ATLANTA RAPID TRANSIT AUTHORITY

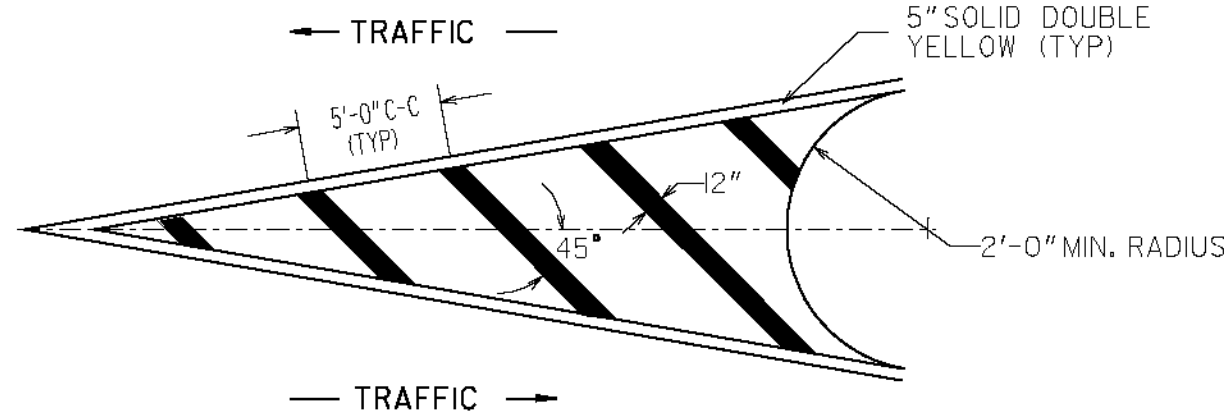
M A T T
Metro Atlanta Transit Team

BUS SHELTERS AND BENCHES

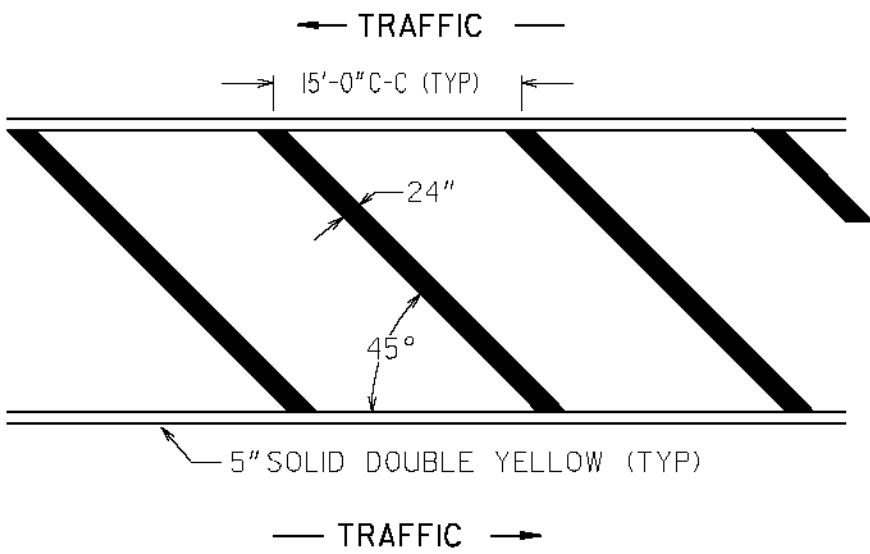
**MARTA BUS BENCHES
PAD DIMENSIONS**

SCALE 1/4" = 1'-0"	CONTRACT PROPOSAL NUMBER 31589
DRAWING NO. CT012	REV. 0
PAGE NO. XX	

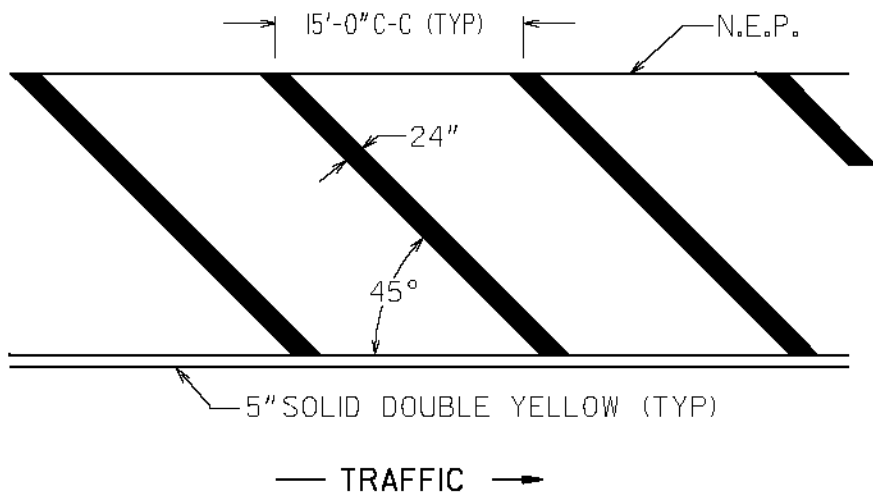
DETAIL "A"(YELLOW)



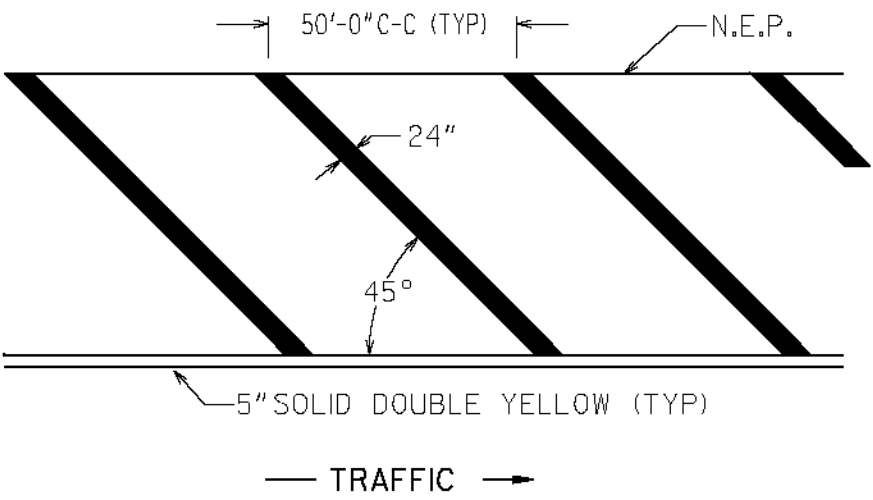
DETAIL "B"(YELLOW)



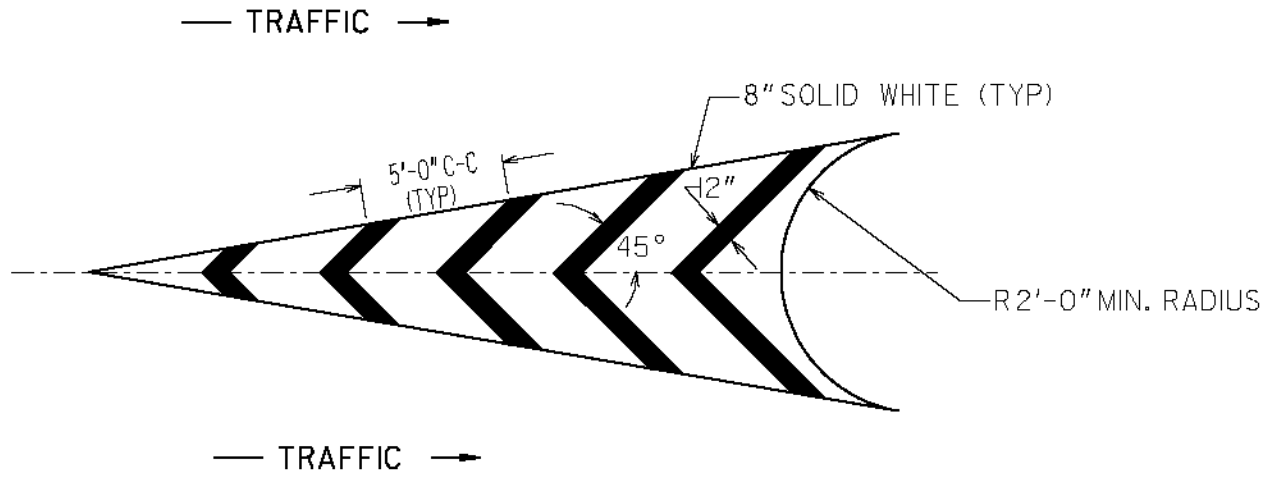
DETAIL "C"(YELLOW)



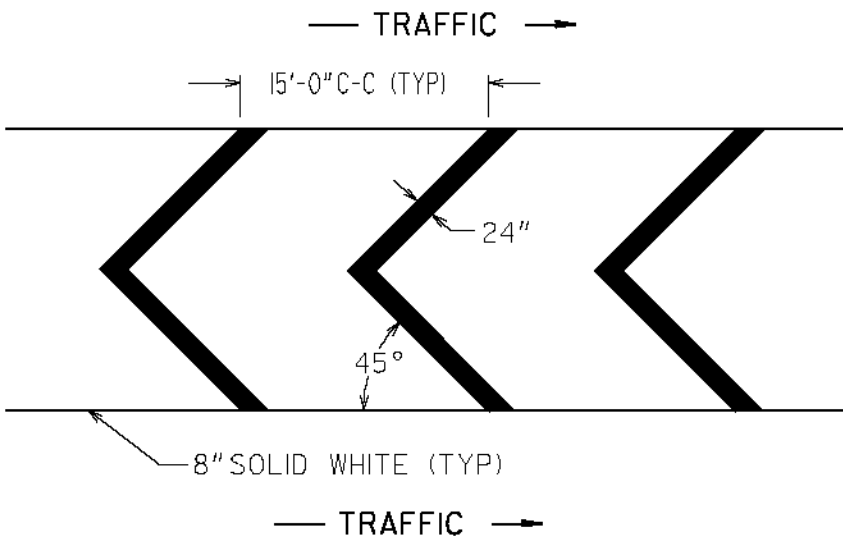
DETAIL "D"(YELLOW)



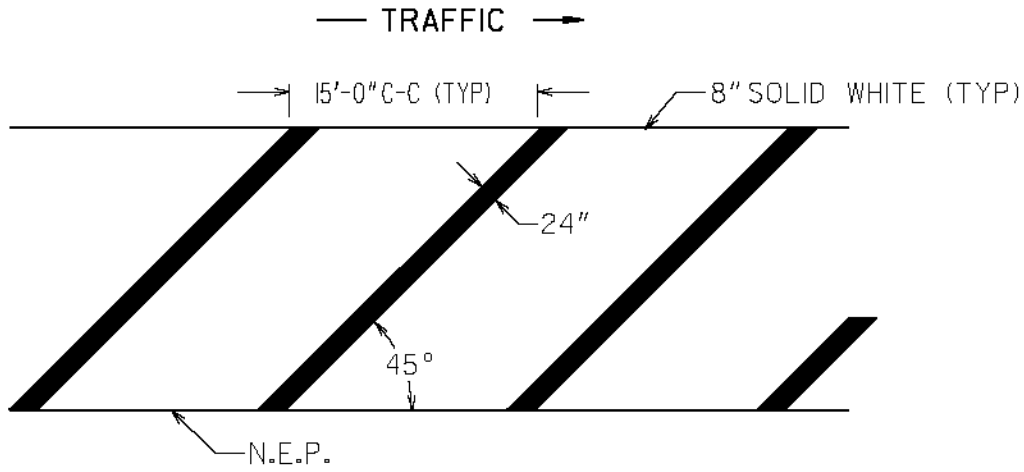
DETAIL "A"(WHITE)



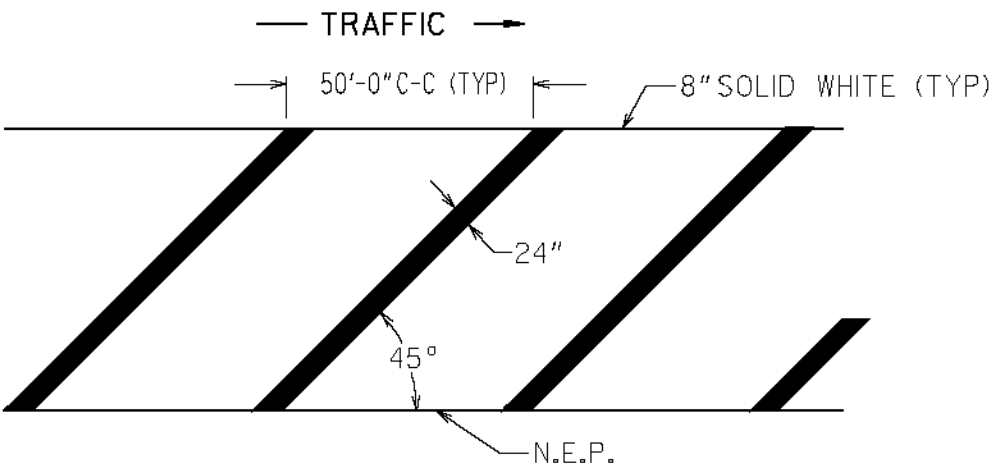
DETAIL "B"(WHITE)



DETAIL "C"(WHITE)



DETAIL "D"(WHITE)



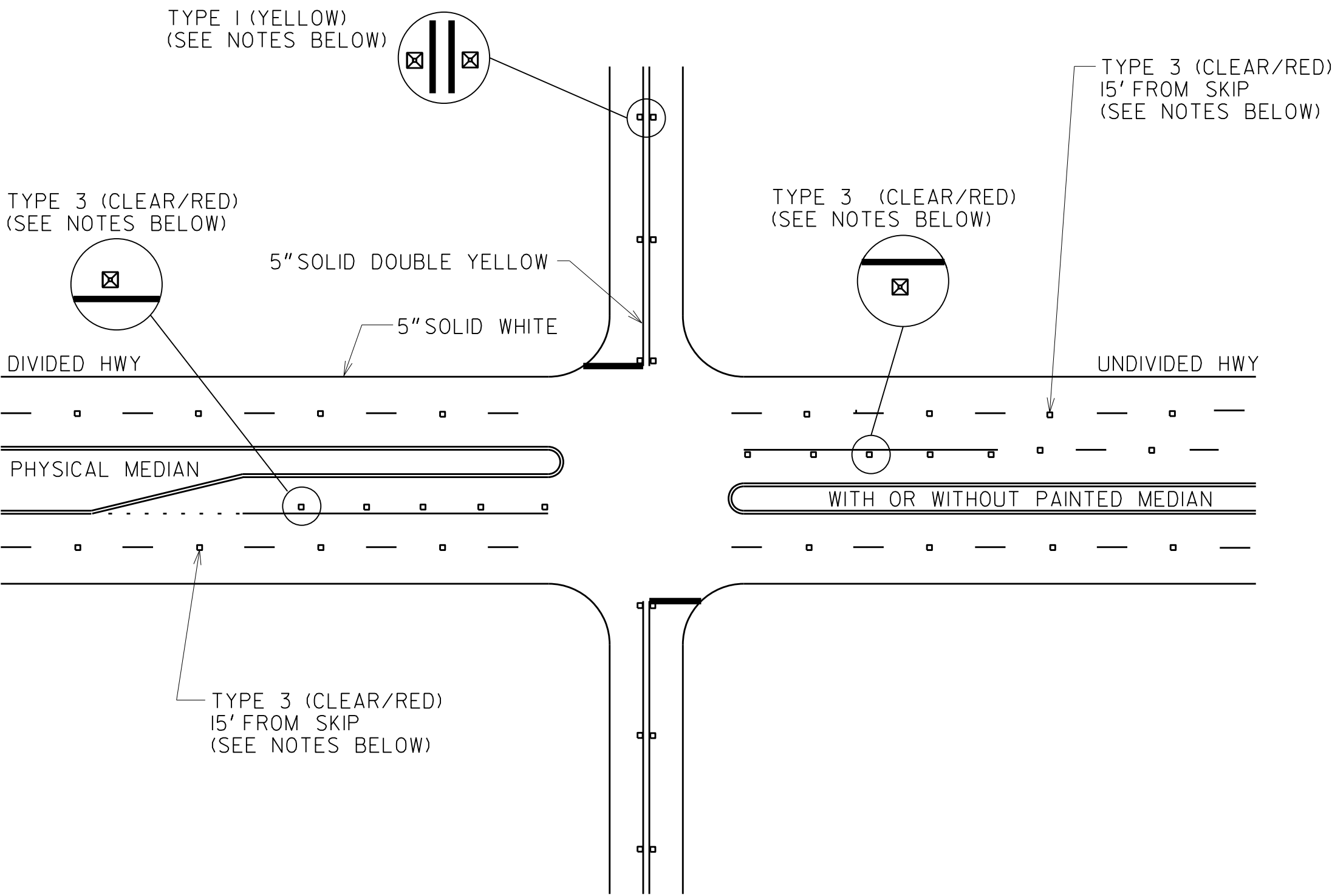
GENERAL NOTES:

1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.

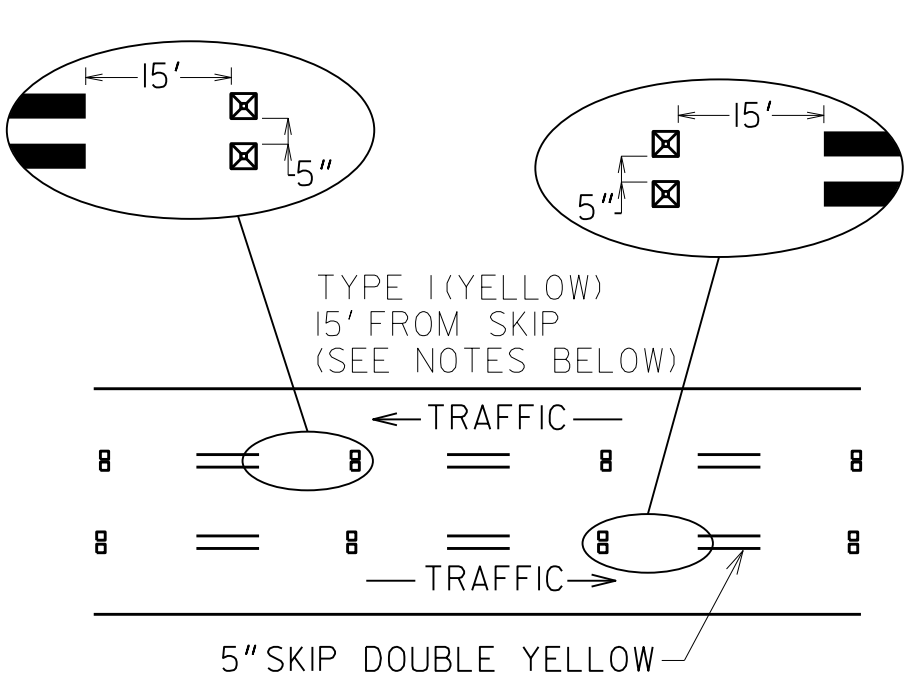
2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

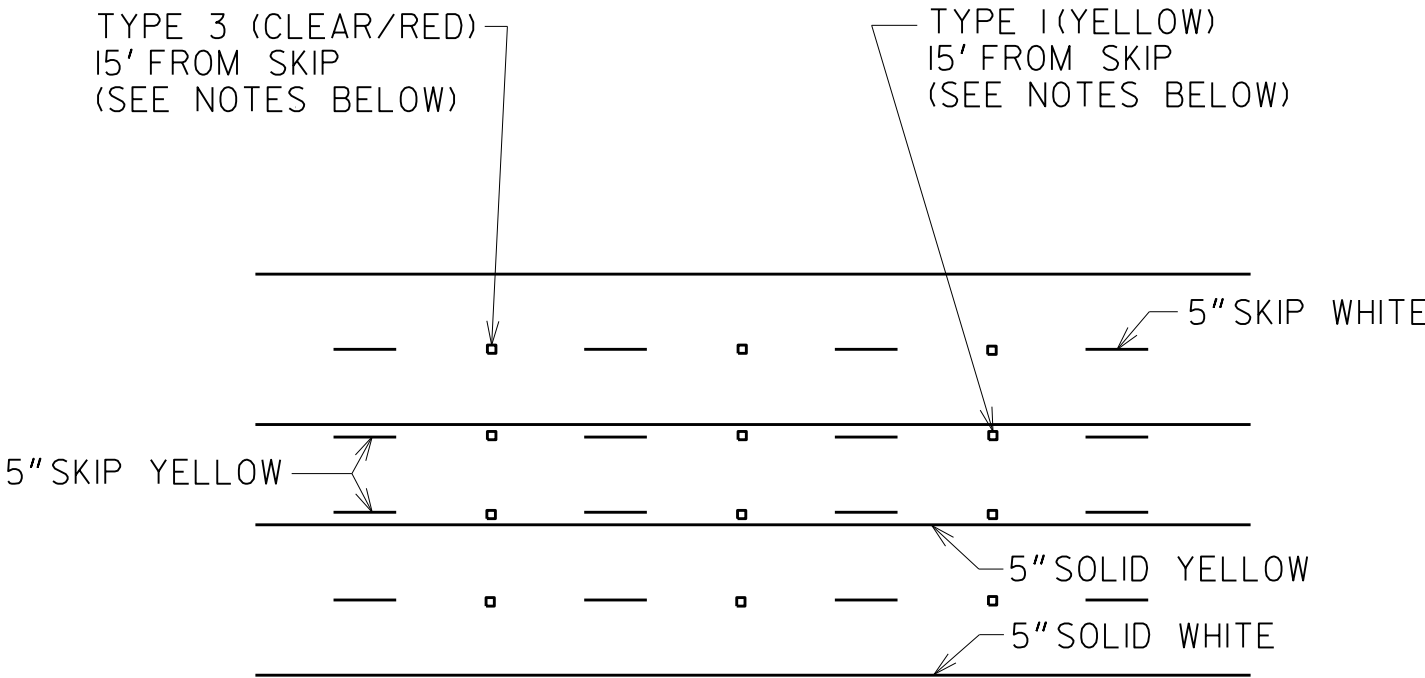
DIVIDED / UNDIVIDED HIGHWAY



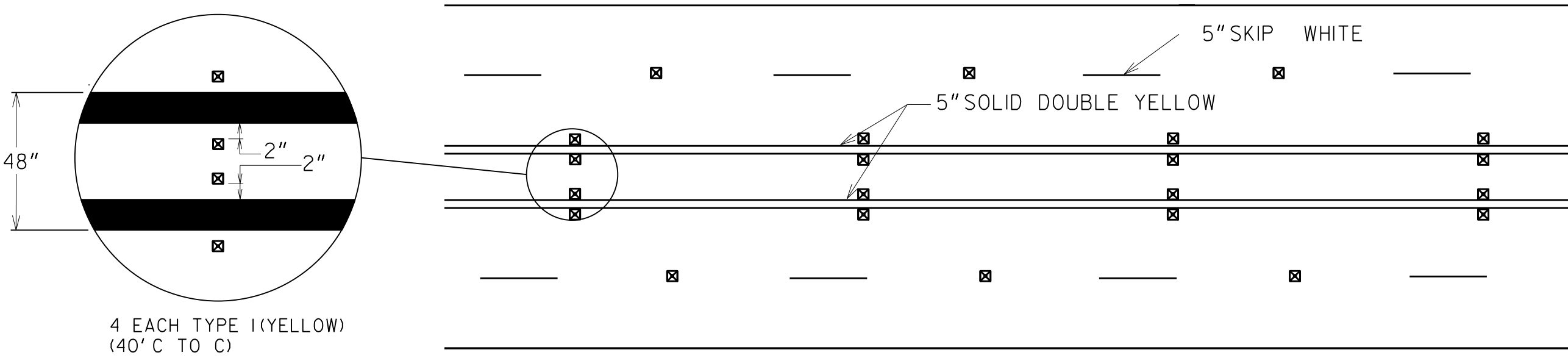
REVERSIBLE LANE



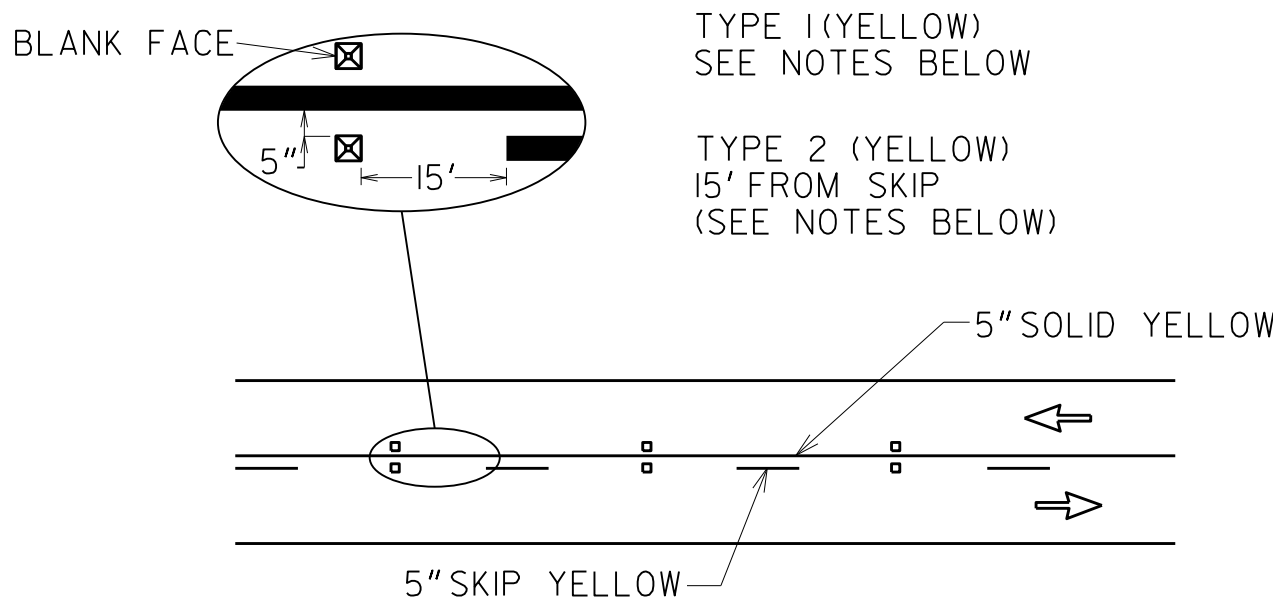
TWO WAY LEFT TURN LANE



4'-0" STRIPED FLUSH MEDIAN

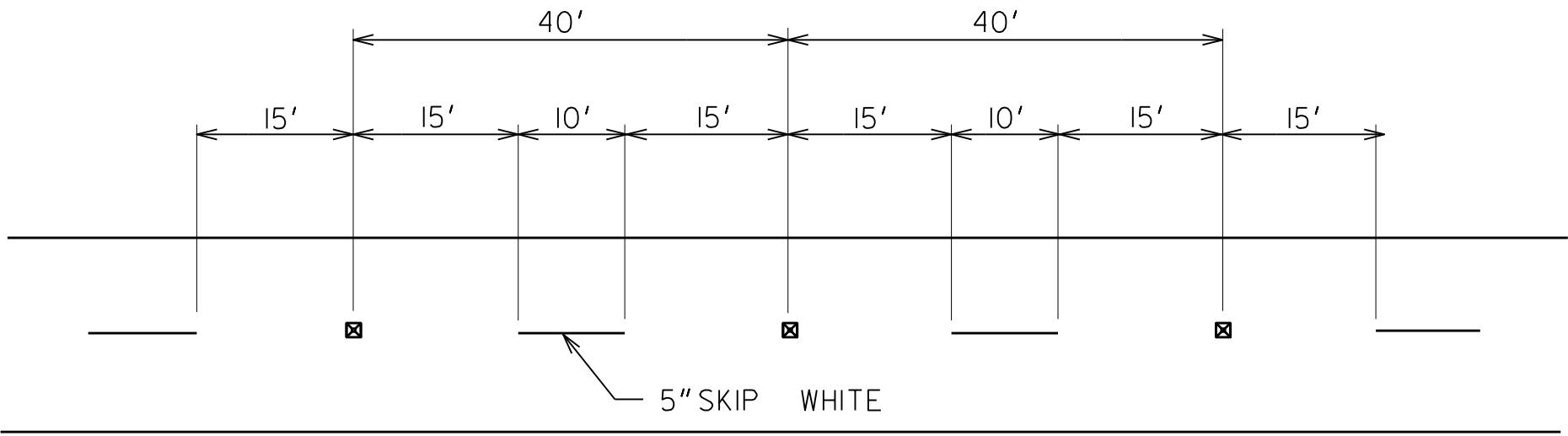


NO PASSING ZONE

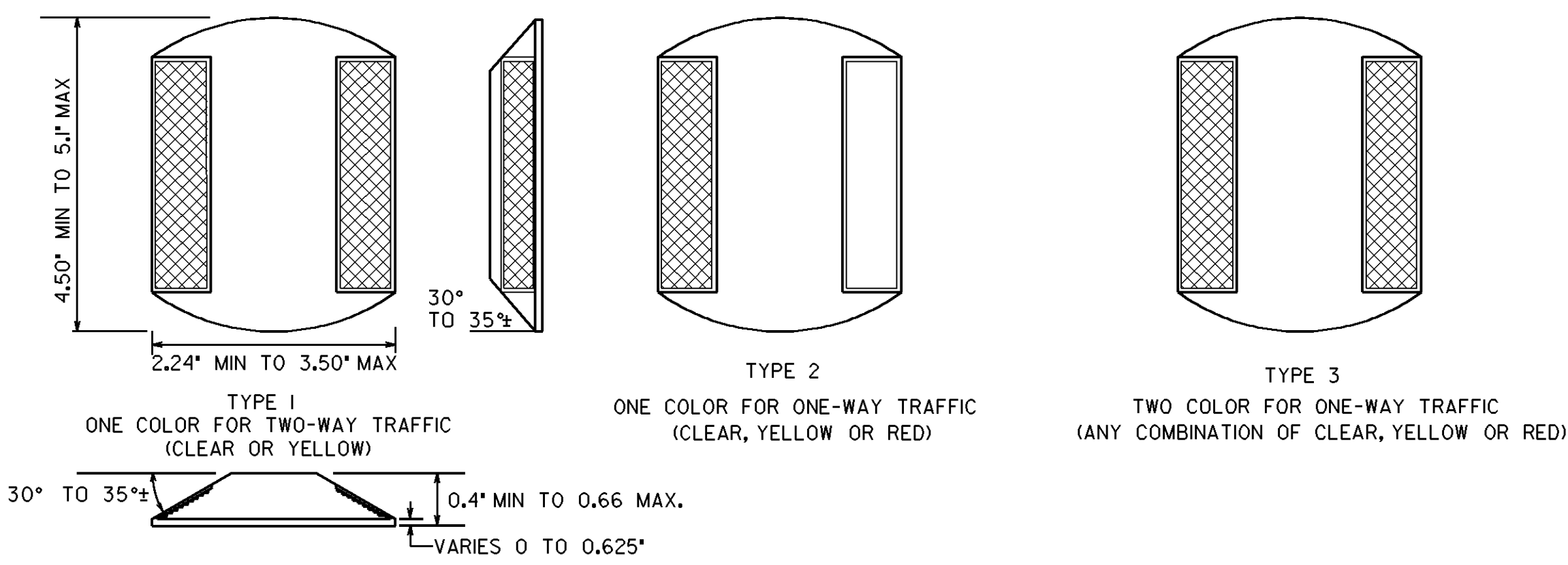


- GENERAL NOTES:
1. RAISED PAVEMENT MARKERS SHALL BE SPACED EVERY 40 FT UNLESS OTHERWISE SPECIFIED.
 2. ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.
 3. RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 INCHES FROM SOLID LANE LINES.
 4. CLEAR FACE OF TYPE 3 RAISED PAVEMENT MARKERS SHALL BE ORIENTED TOWARD ONCOMING TRAFFIC.

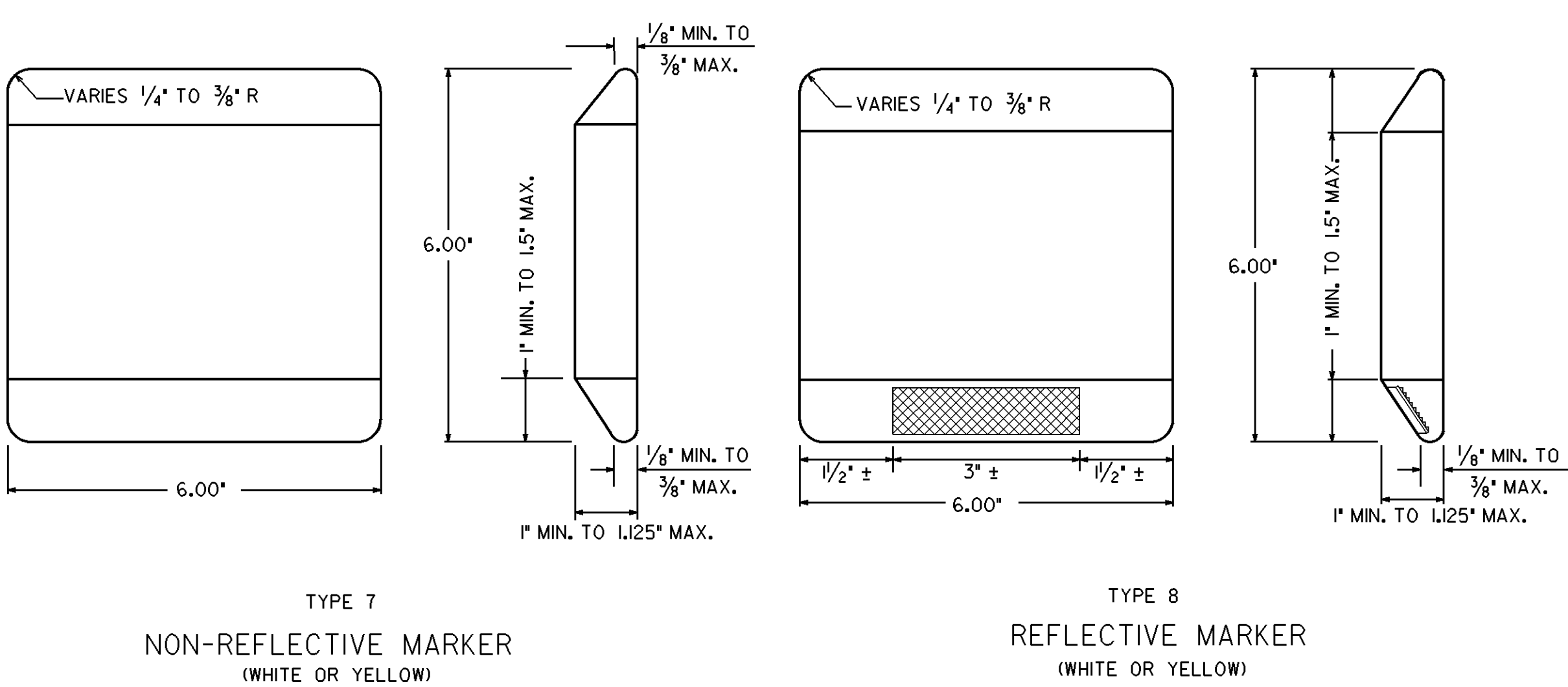
TYPICAL RPM/STRIPE SPACING



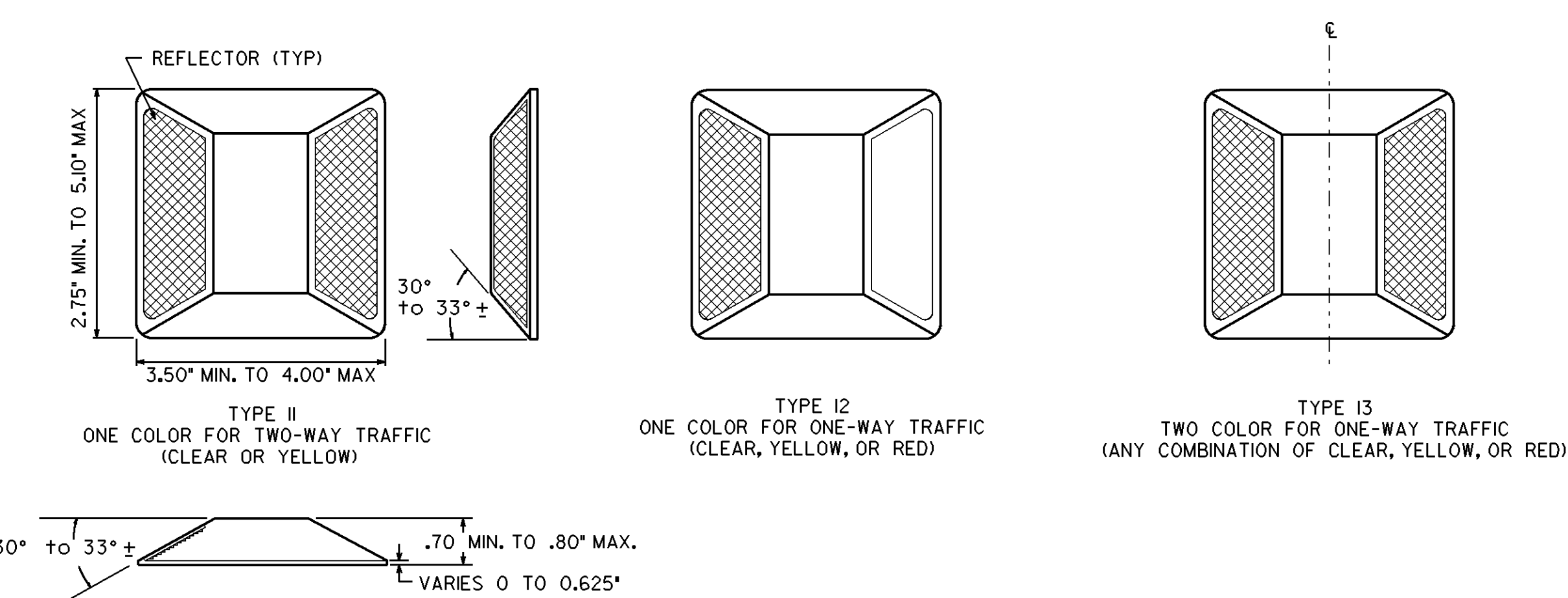
		9-15-2016	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REV. RPM SPACING TO 40'	REVISION	CONSTRUCTION DETAILS RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	
				NO SCALE	REV. AND REDRAWN, JUNE 2015
		CDR	BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-15A



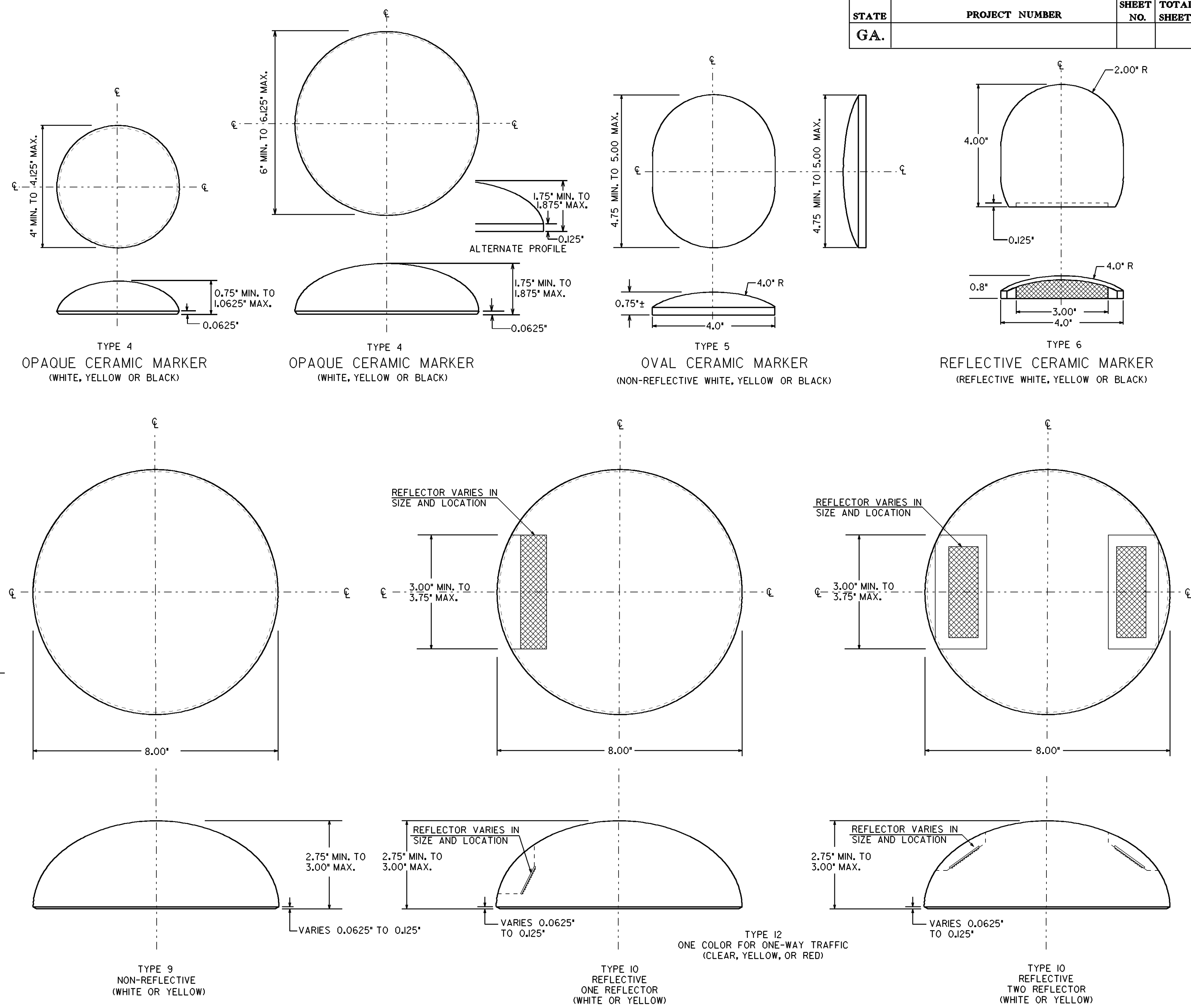
RAISED REFLECTIVE MARKERS



CERAMIC JIGGLE BAR MARKER



ALTERNATE RAISED REFLECTIVE MARKERS



- GENERAL NOTES:
1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERE TO.
 2. THE CONTRACTOR SHALL USE RAISED PAVEMNT MAKER SOURCES AS LISTED IN OPL 76.
 3. COLORS FOR REFLECTIVE ELEMENTS SHALL BE EITHER CLEAR, YELLOW, OR RED AS SPECIFIED.
 4. THE SHELL OF THE REFLECTIVE MARKERS SHALL BE OF ONE COLOR OR OF A COMBINATION OF TWO COLORS, WHICH SHALL BE THE SAME AS THE REFLECTIVE ELEMENT.
 5. THE SURFACE OF OPAQUE CERAMIC MARKERS SHALL BE GLAZED AND OF THE COLOR SPECIFIED IN THE PLANS WITH A WHITE, VITREOUS, CERAMIC BASE.
 6. COLORS FOR ALL RAISED PAVEMENT MARKERS SHALL BE AS SPECIFIED IN THE PLANS.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION	
9-22-11	REV. DIMENSIONS, ADDED NOTES TO MARKERS AND REV. GEN. NOTES.	OFFICE OF TRAFFIC SAFETY & DESIGN	
		DETAILS OF RAISED PAVEMENT MARKERS	
		NO SCALE	
		JANUARY 2000	