

LOCATION SKETCH

MACON-BIBB COUNTY ENGINEERING DEPARTMENT MACON, GEORGIA

PLAN AND PROFILE OF PROPOSED PINEHILL DRIVE SIDEWALK IMPROVEMENTS FROM SHURLING DRIVE / GA 49 TO NEW CLINTON ROAD

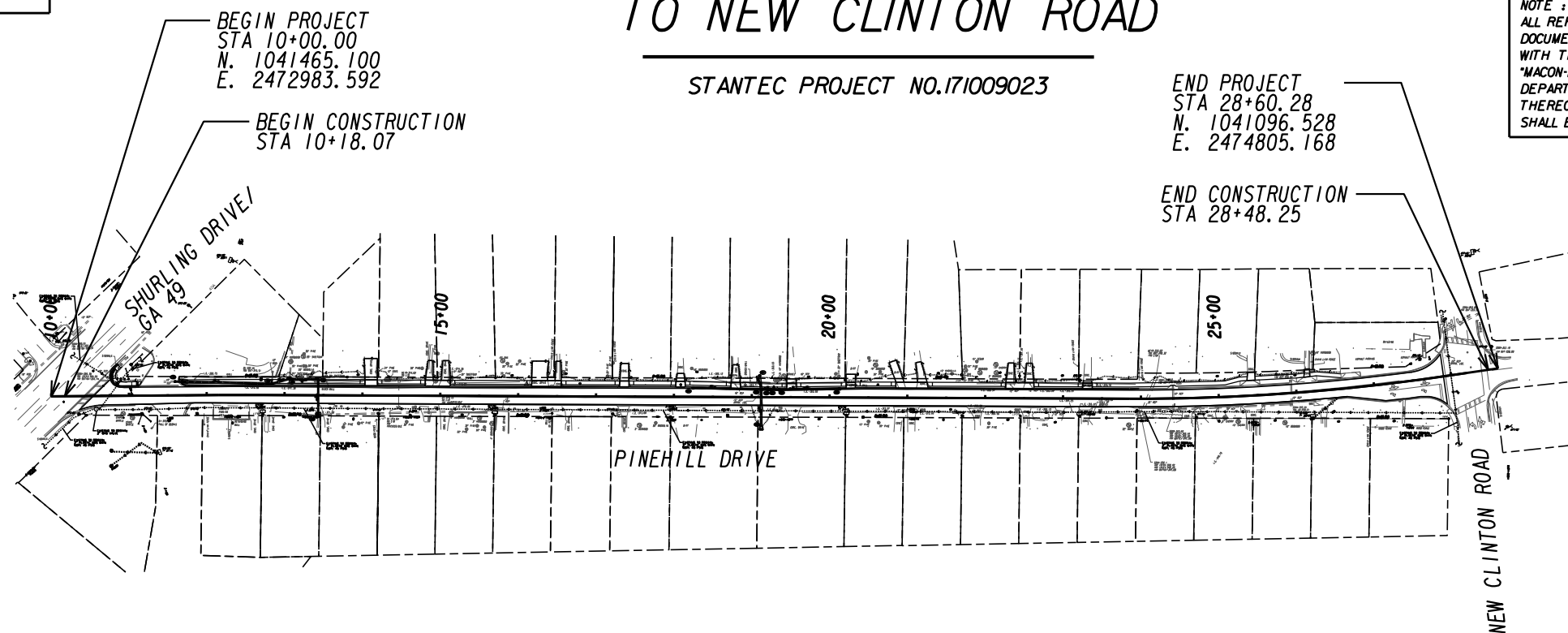
STANTEC PROJECT NO.171009023

BEGIN PROJECT
STA 10+00.00
N. 1041465.100
E. 2472983.592

BEGIN CONSTRUCTION
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END PROJECT
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END CONSTRUCTION
STA 28+48.25

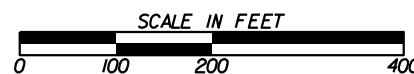


NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "MACON-BIBB COUNTY DEPARTMENT OF ENGINEERING", "MACON-BIBB COUNTY ENGINEERING DEPARTMENT", "MACON-BIBB ENGINEERING DEPARTMENT", "ENGINEERING DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE MACON-BIBB COUNTY DEPARTMENT OF ENGINEERING, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF ENGINEERING.



PREPARED BY: _____
ADAM D. SMITH, P.E.

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.



LENGTH OF PROJECT	MILES
NET LENGTH OF ROADWAY	0.347
NET LENGTH OF BRIDGES	0
NET LENGTH OF PROJECT	0.352
NET LENGTH OF EXCEPTIONS	0
GROSS LENGTH OF PROJECT	0.352

PLANS COMPLETED	06-10-2020
REVISIONS	

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 MACON-BIBB COUNTY ENGINEERING DEPARTMENT IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO GDOT SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

GENERAL NOTES:

- UTILITIES
THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY OWNERS DURING RELOCATION OPERATIONS THAT ARE TO BE PERFORMED BY THE UTILITY OWNERS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE CONTRACTOR SHALL ADHERE TO THE "CALL BEFORE YOU DIG" LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT 1-800-282-7411 OR 1-770-623-4344 BEFORE BEGINNING CONSTRUCTION. UTILITY OWNERS HAVING FACILITIES THAT CONFLICT WITH CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

UTILITY OWNER	SERVICE(S)
AT&T	TELEPHONE
GEORGIA POWER COMPANY	ELECTRICITY
MACON WATER AUTHORITY	WATER AND SANITARY SEWER
ATLANTA GAS LIGHT CO.	GAS
COX COMMUNICATIONS	CABLE TELEVISION
HARGRAY COMMUNICATIONS	TELECOMMUNICATIONS



- PERMITS AND PERMIT REQUIREMENTS
THE CONTRACTOR SHALL OBTAIN FROM THE OWNER, COPIES OF ALL REGULATORY AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE REQUIREMENTS AND LIMITATIONS SET FORTH IN THE PERMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE AGENCIES PRIOR TO BEGINNING WORK.
- AN N.O.I. IS NOT REQUIRED FOR THIS PROJECT. THE TOTAL DISTURBED AREA FOR THIS PROJECT IS 0.57 AC.
- TRAFFIC CONTROL
THE CONTRACTOR SHALL SUBMIT HIS OWN STAGING PLANS AND RECEIVE THE ENGINEER'S APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION. UNLESS OTHERWISE APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC, ONE IN EACH DIRECTION, DURING CONSTRUCTION.
- CLEARING AND GRUBBING
COST FOR REMOVAL OF ALL ITEMS WITHIN THE CONSTRUCTION LIMITS NOT SPECIFICALLY LISTED UNDER SEPARATE PAYMENT SHALL BE PAID FOR UNDER "CLEARING AND GRUBBING." THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, GUARDRAIL, FENCING, TRAFFIC SIGNAL POLES, CURB AND GUTTER, CONCRETE ISLANDS, STORM DRAIN PIPE, DRAINAGE STRUCTURES, AND PAVEMENT SAWCUT AND REMOVAL.
- PIPE COLLARS TO BE PAID FOR AS INCIDENTAL ITEM FOR DRAINAGE PIPE INSTALLATION. NO SEPARATE PAY ITEM EXISTS.
- WATER AND SANITARY SEWER CONSTRUCTION, INCLUDING INSTALLATION AND MATERIALS, SHALL CONFORM TO SPECIFICATIONS OF MACON WATER AUTHORITY (MWA). REQUIREMENTS SET FORTH BY MWA MAY BE OBTAINED AT THE MWA OFFICE AT 790 SECOND STREET, MACON, GA 31202
- THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO MACON-BIBB COUNTY GOVERNMENT.
- AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE A PAVEMENT REMOVAL TO A NEAT LINE. THE COST FOR SAWED JOINTS SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEMS, EXCEPT WHEN SAWING P.C.C. CONCRETE PAVEMENT.
- EXCEPT WHERE DRIVEWAY PLANS ARE SHOWN, REPLACE EARTH, GRAVEL, AND ASPHALT DRIVEWAYS WITH ASPHALT. REPLACE CONCRETE DRIVEWAYS WITH CONCRETE.

DRIVEWAYS SHALL BE CONSTRUCTED AS FOLLOWS:
ASPHALT - 165 LBS/SY 12.5 mm SUPERPAVE
6" GRADED AGGREGATE BASE COURSE
CONCRETE - 6" CLASS "A" CONCRETE (DRIVEWAY PANS WHERE SHOWN)
6" GRADED AGGREGATE BASE COURSE
- CONTRACTOR SHALL SUPPLY 2 PORTABLE CHANGEABLE MESSAGE SIGNS DURING CONSTRUCTION. PLACEMENT OF SIGNS WILL BE AS DIRECTED BY MACON-BIBB COUNTY GOVERNMENT.
- ALL PROPOSED PIPES INSTALLED ON THIS PROJECT SHALL BE RCP (REINFORCED CONCRETE PIPE) WITH THE EXCEPTION OF THE PIPE CONSTRUCTED WITH PREFABRICATED ELBOWS FROM THE EXISTING WALL TO STRUCTURE 102. THIS PIPE MATERIAL SHALL BE CMP (CORRUGATED METAL PIPE).

GENERAL NOTES - STANDARD SIGNS

- ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
- SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM MACON-BIBB COUNTY.
- ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
- THE HORIZONTAL CLEARANCE SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
- SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
- SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
- TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).
- TYPE 9 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE IX (VERY HIGH INTENSITY) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
- TYPE 9 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
- A 1#2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
- THE CONTRACTOR WILL BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.



REVISION DATES

NO.	DATE	DESCRIPTION

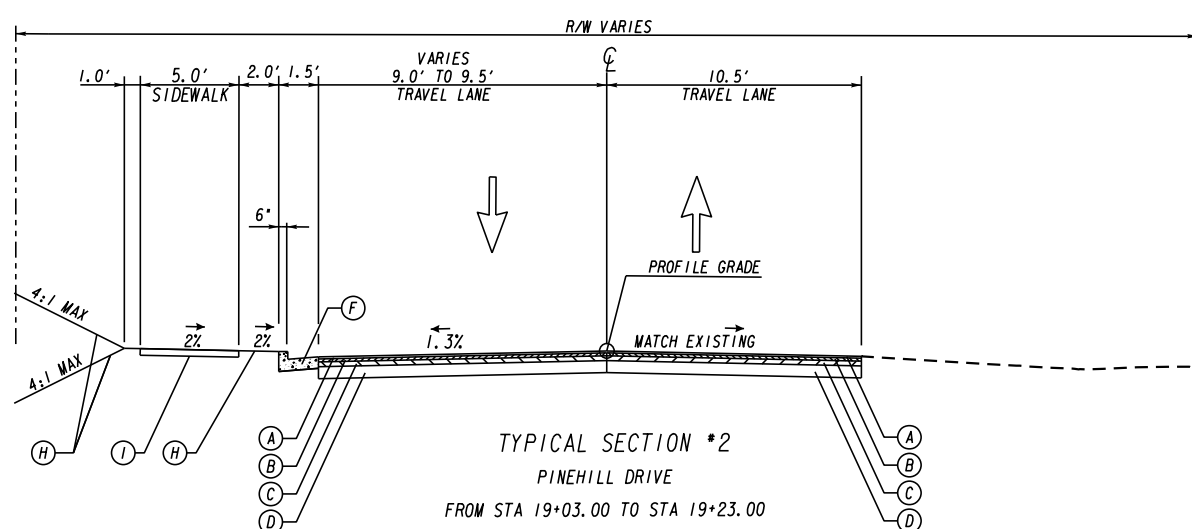
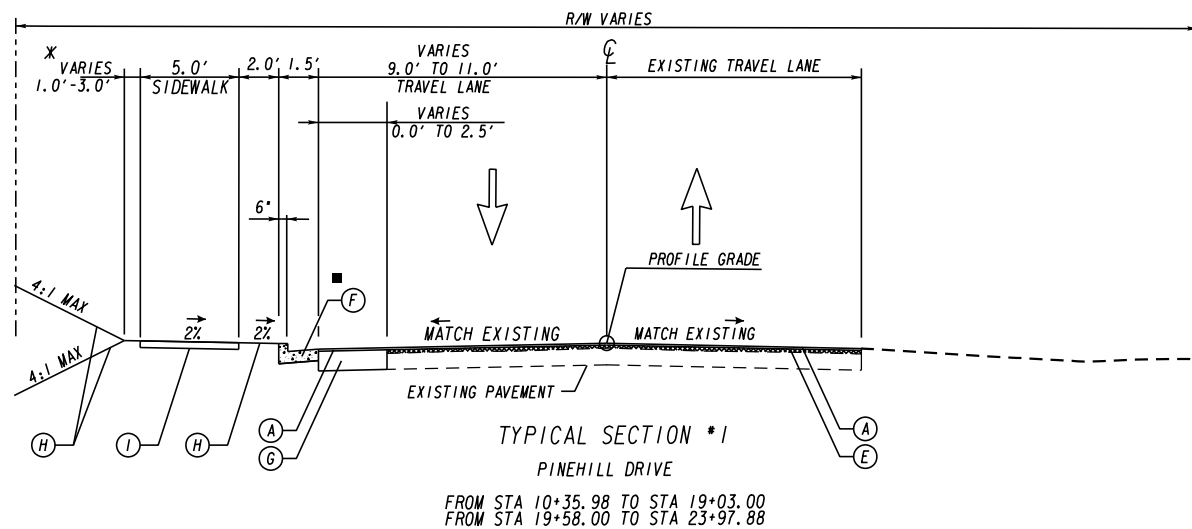
GENERAL NOTES

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019	DRAWING No.
BACKCHECKED:	TKS	DATE:	06/04/2019	
CORRECTED:	MRM	DATE:	06/04/2019	
VERIFIED:	ADS	DATE:	06/05/2019	

04-0001



REQUIRED PAVEMENT

- (A) 1-1/2" - RECYL ASPH CONC 12.5 MM TP 2 SUPERPAVE, GP2, BM&HL (165 LBS/SY)
- (B) 2" - RECYL ASPH CONC 19 MM SUPERPAVE, GP 2, BM&HL (220 LBS/SY)
- (C) 4" - RECYL ASPH CONC 25 MM SUPERPAVE, GP 2, BM&HL (660 LBS/SY)
- (D) GR AGGR BASE CRS, 10 INCH, INCL MATL
- (E) RECYL ASPH CONC LEVELING, AS REQUIRED. THICKNESS VARIES.
- (F) 24" CONCRETE CURB AND GUTTER, TP 2
- (G) CLASS "B" CONCRETE
- (H) SODDING
- (I) 4" CONCRETE SIDEWALK

NOTES:

1. EXISTING PAVEMENT SHALL BE MILLED AND INLAID 1.5' FROM STA. 10+35.98 TO STA 19+03.00 AND FROM STA. 19+58.00 TO STA. 27+90.11. MATCH EXISTING CROSS SLOPES. CONTRACTOR TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING PAVEMENT.
2. IN WIDENING LOCATIONS, LEVELING SHALL BE INSTALLED ON EXISTING PAVEMENT PRIOR TO INTERMEDIATE COURSE OF WIDENING SO TOP OF LEVELING MATCHES TOP OF INTERMEDIATE COURSE. THICKNESS VARIES..
3. SEE ROADWAY PLANS FOR LOCATION OF CURB AND GUTTER.
4. SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.

* SEE PLANS FOR LOCATIONS WHERE DISTANCE IS GREATER THAN 1.0'
 ■ SPILLED GUTTER:
 STA 10+80.00 TO STA 11+13.11
 STA 11+65.00 TO STA 16+83.00

REVISION DATES

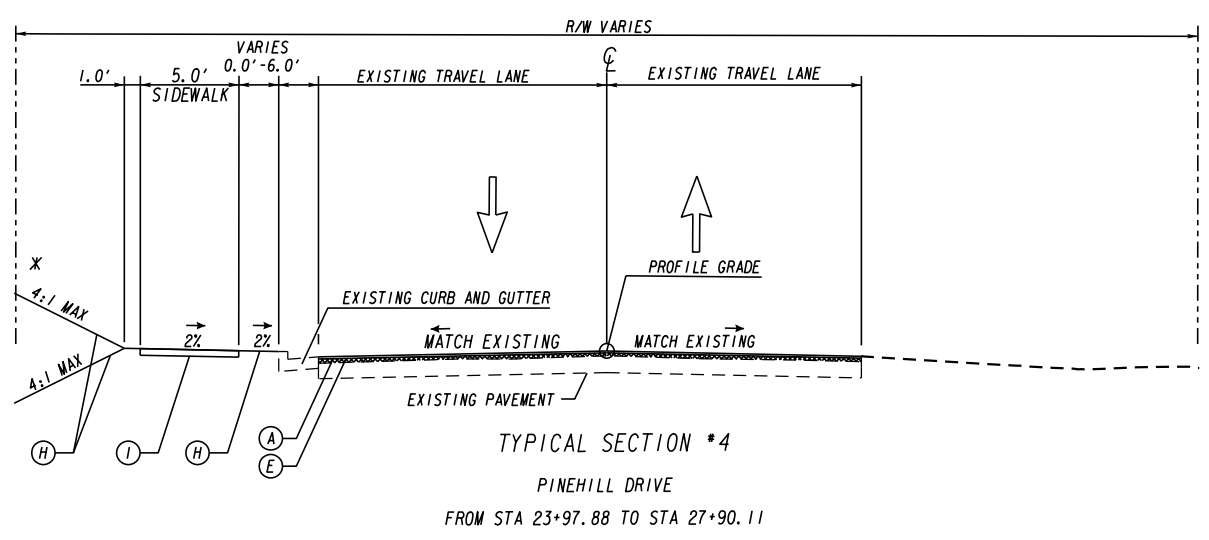
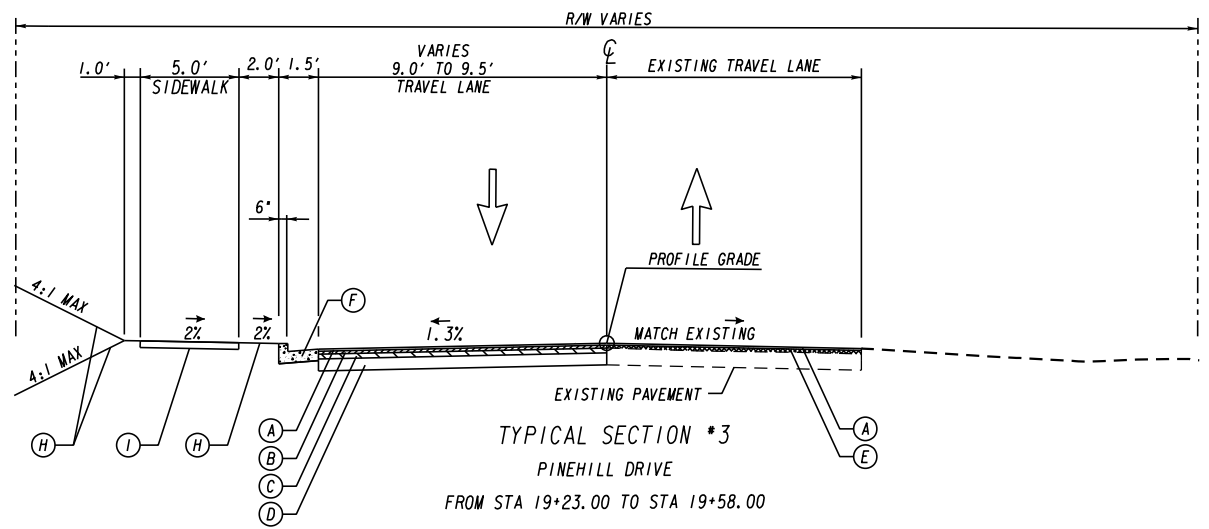
NO.	DATE	DESCRIPTION

TYPICAL SECTIONS

PINEHILL DRIVE
 SIDEWALK IMPROVEMENTS
 MACON-BIBB COUNTY, GEORGIA
 JUNE 2020

CHECKED: ADS	DATE: 02/19/2019	DRAWING No.
BACKCHECKED: TKS	DATE: 06/04/2019	05-0001
CORRECTED: MRW	DATE: 06/04/2019	
VERIFIED: ADS	DATE: 06/05/2019	





* NO CUT, FILL, OR SHOULDER BREAK
IN CHURCH PARKING LOT
STA 26+58.85 TO STA 27+88.39

REQUIRED PAVEMENT

- (A) 1-1/2" - RECYL ASPH CONC 12.5 MM TP 2 SUPERPAVE, GP2, BM&HL (165 LBS/SY)
- (B) 2" - RECYL ASPH CONC 19 MM SUPERPAVE, GP 2, BM&HL (220 LBS/SY)
- (C) 4" - RECYL ASPH CONC 25 MM SUPERPAVE, GP 2, BM&HL (660 LBS/SY)
- (D) GR AGGR BASE CRS, 10 INCH, INCL MATL
- (E) RECYL ASPH CONC LEVELING, AS REQUIRED. THICKNESS VARIES.
- (F) 24" CONCRETE CURB AND GUTTER, TP 2
- (G) CLASS "B" CONCRETE
- (H) SODDING
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NOTES:

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2. IN WIDENING LOCATIONS, LEVELING SHALL BE INSTALLED ON EXISTING PAVEMENT PRIOR TO INTERMEDIATE COURSE OF WIDENING SO TOP OF LEVELING MATCHES TOP OF INTERMEDIATE COURSE. THICKNESS VARIES..
3. SEE ROADWAY PLANS FOR LOCATION OF CURB AND GUTTER.
4. SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.

REVISION DATES

NO.	DATE	DESCRIPTION

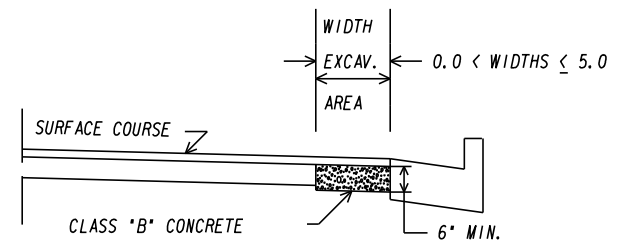
TYPICAL SECTIONS

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED: ADS	DATE: 02/19/2019	DRAWING No.
BACKCHECKED: TKS	DATE: 06/04/2019	05-0002
CORRECTED: MRW	DATE: 06/04/2019	
VERIFIED: ADS	DATE: 06/05/2019	

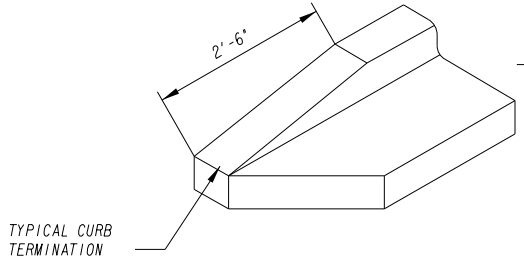
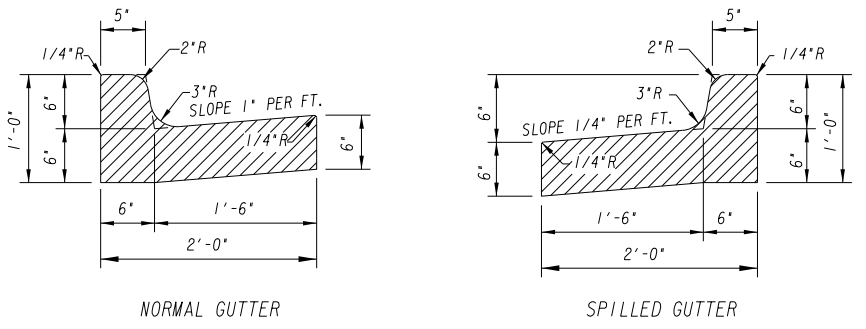




NO SCALE
 CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
 Item Code 500-9999 - Cu. Yds.

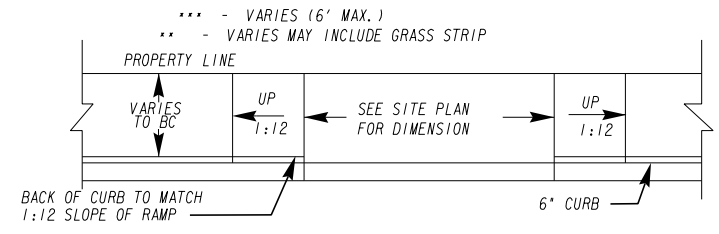
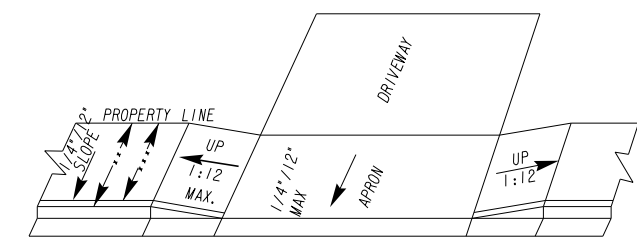
In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".
 In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.
 See plans for details of curb and gutter construction

CLASS "B" CONCRETE BASE OR WIDENING DETAIL



- NOTES:
1. PROVIDE 1/2" EXPANSION JOINT @ 10'-0" O.C.
 2. ALL EXPOSED SURFACES SHALL BE STRIPPED GREEN, TROWELED & CURB EDGING RUBBED SMOOTH.

TYPICAL CURB & GUTTER DETAIL
 NTS



TYPICAL DRIVEWAY DETAIL

- GENERAL NOTES:
1. AVOID PLACING DRAINAGE STRUCTURES TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES, OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
 2. FOR THE CURB AND GUTTER SHOWN, SEE PLANS FOR CURB TYPE.
 3. RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.
 4. CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB TO BE INCLUDED IN THE COST OF THE SIDEWALK.
 5. THICKNESS FOR RESIDENTIAL APRON: 6" AND FOR COMMERCIAL APRON: 8"
 6. CONCRETE SHALL BE TYPE "A" 3,000 P.S.I. MIN. STRENGTH



REVISION DATES		TYPICAL SECTIONS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
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		JUNE 2020 DRAWING No. 05-0003	

SUMMARY OF QUANTITIES

ROADWAY QUANTITIES

201-1500	CLEARING AND GRUBBING	
TOTAL		LUMP SUM

210-0100	GRADING COMPLETE	
TOTAL		LUMP SUM

310-5100	GR AGGR BASE CRS, 10 IN, INCL MATL	
TOTAL		48 TN

402-3113	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2	
TOTAL		282 TN

402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2	
TOTAL		17 TN

402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2	
TOTAL		9 TN

413-0750	TACK COAT	
TOTAL		8 GAL

432-0206	MILL ASPH CONC PVT, 1 1/2 IN DEPTH	
TOTAL		4,190 SY

441-0016	DRIVEWAY CONCRETE, 6 IN TK	
TOTAL		578 SY

441-0104	CONCRETE SIDEWALK, 4 IN	
TOTAL		812 SY

441-6012	CONC CURB AND GUTTER, 6 IN X 24 IN, TP 2	
TOTAL		1,065 LF

441-7012	CURB CUT WHEELCHAIR RAMP, TYPE B	
TOTAL		3 EA

441-7014	CURB CUT WHEELCHAIR RAMP, TYPE D	
TOTAL		2 EA

500-9999	CLASS B CONC, BASE OR PVMT WIDENING	
TOTAL		52.8 CY

DRAINAGE QUANTITIES

500-3800	CLASS A CONCRETE, INCL REINF STEEL	
TOTAL		1.69 CY

550-5120	STORM DRAIN PIPE, 12 IN, CLASS III	
TOTAL		17 LF

550-5180	STORM DRAIN PIPE, 18 IN, CLASS III	
TOTAL		420 LF

550-5240	STORM DRAIN PIPE, 24 IN, CLASS III	
TOTAL		64 LF

668-2100	DROP INLET, GP 1	
TOTAL		8 EA

668-4300	STORM SEWER MANHOLE, TP 1	
TOTAL		4 EA

668-7024	DRAIN INLET, 24 IN	
TOTAL		1 EA

SIGNING AND MARKING QUANTITIES

636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	
TOTAL		57 SF

636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	
TOTAL		18 SF

636-2070	GALV STEEL POSTS, TP 7	
TOTAL		127 LF

653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	
TOTAL		2 EA

653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	
TOTAL		2 EA

653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	
TOTAL		514 LF

653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	
TOTAL		3,455 LF

653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	
TOTAL		57 LF

653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	
TOTAL		1,356 LF

REVISION DATES

8/7/2023		

SUMMARY QUANTITIES

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MACON-BIBB COUNTY, GEORGIA

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DRAWING No.
06-0001



SUMMARY OF QUANTITIES

LANDSCAPING AND IRRIGATION QUANTITIES

700-9300	SOD	
TOTAL		1,018 SY

EROSION AND SEDIMENTATION CONTROL QUANTITIES

163-0550	CONSTRUCT AND REMOVE INLET SEDIMENTATION TRAP	
TOTAL		11 EA

165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	
TOTAL		791 LF

165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	
TOTAL		11 EA

171-0030	TEMPORARY SILT FENCE, TP C	
TOTAL		791 LF

711-0600	TURF REINFORCING MATTING, TP 6	
TOTAL		210 SY

MISCELLANEOUS QUANTITIES

150-1000	TRAFFIC CONTROL	
TOTAL		LUMP SUM

611-8050	ADJUST MANHOLE TO GRADE	
TOTAL		5 EA



REVISION DATES

SUMMARY QUANTITIES

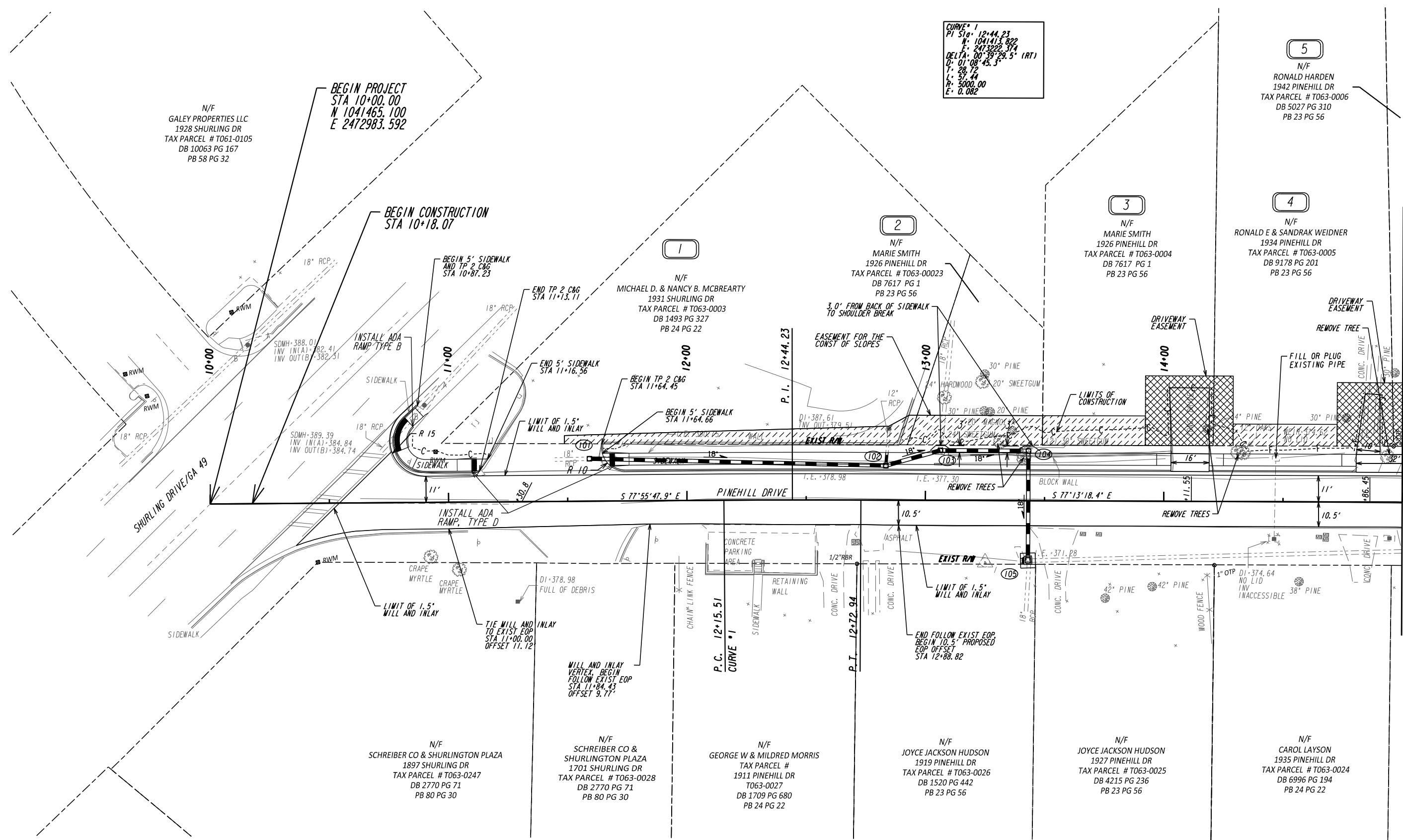
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DRAWING No.
06-0002

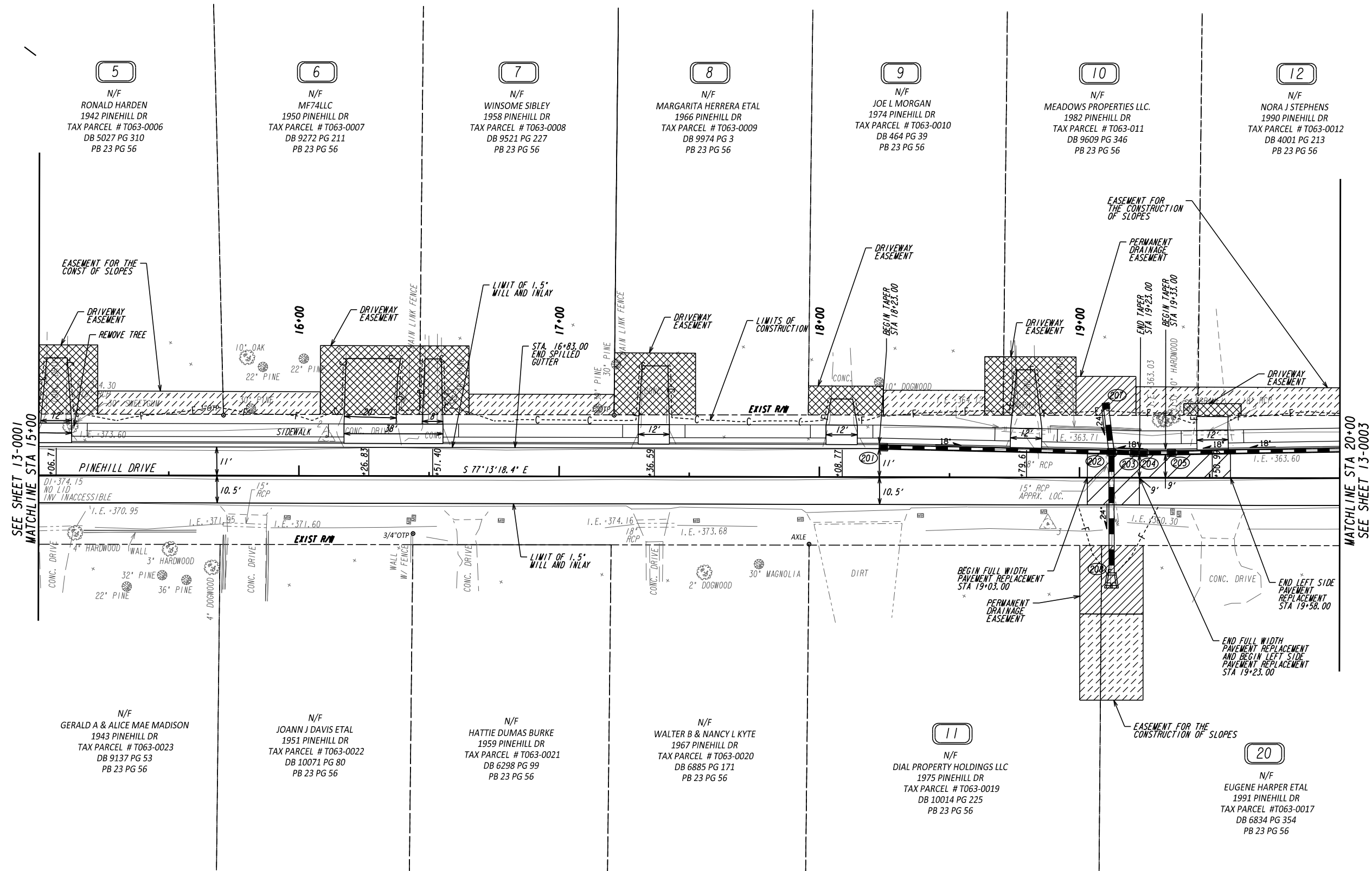
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MATCHLINE STA 15+00
SEE SHEET 13-0002

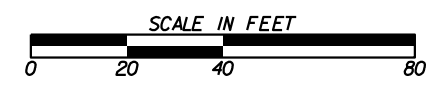


REVISION DATES		CONSTRUCTION PLAN			
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA JUNE 2020			
CHECKED:	ADS			DATE:	02/19/2019
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		DRAWING No. 13-0001			



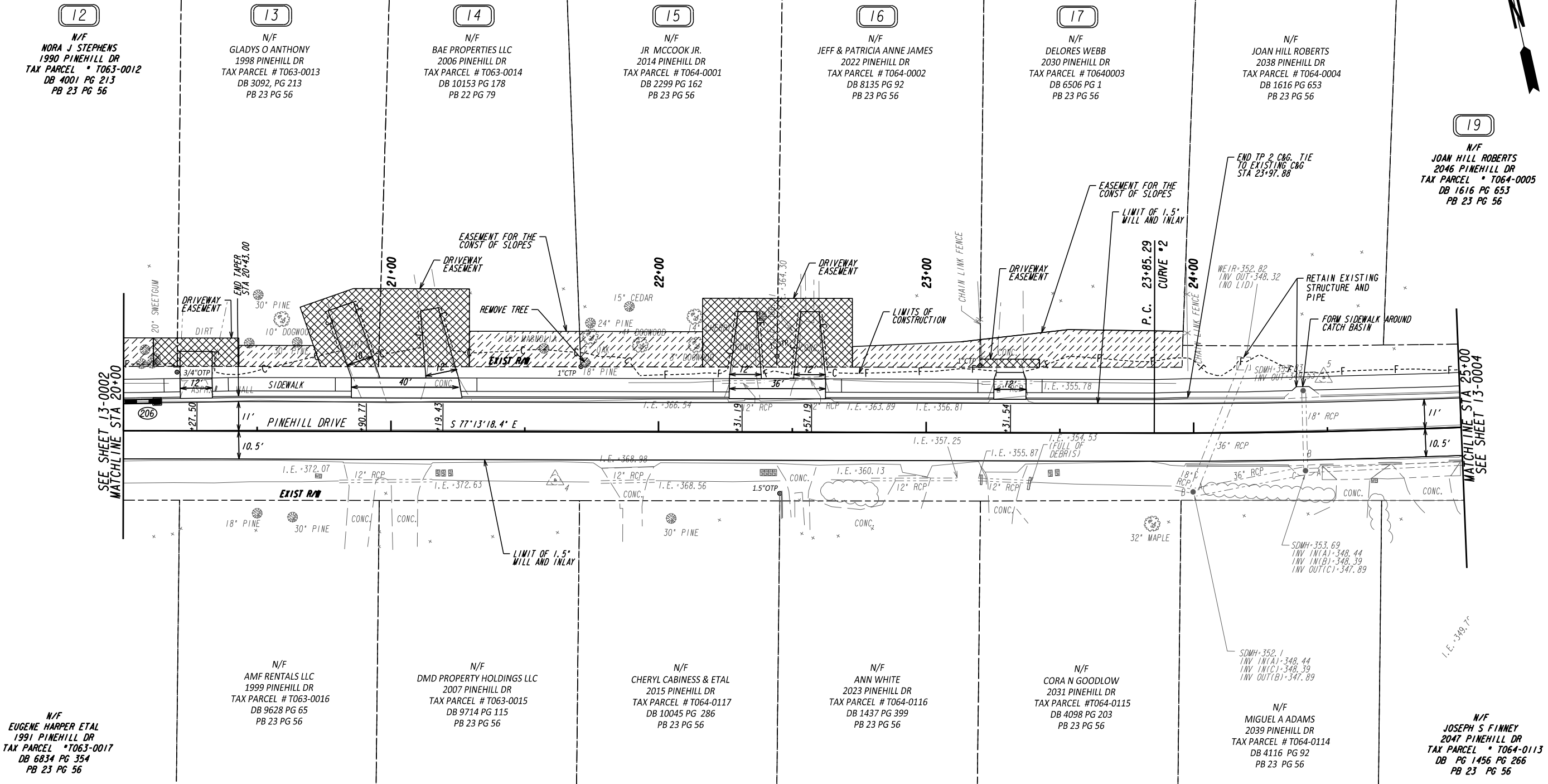
SEE SHEET 13-0001
MATCHLINE STA 15+00

MATCHLINE STA 20+00
SEE SHEET 13-0003



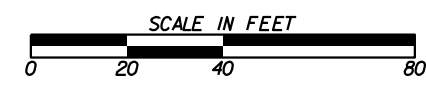
REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
			JUNE 2020
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		DRAWING No.	13-0002

CURVE # 2
 PI STA: 25+85.63
 N: 104117.133
 E: 2474530.553
 DELTA: 08° 29' 13.5" (LT)
 D: 02° 07' 19.4"
 L: 200.34
 I: 399.95
 P: 200.00
 E: 7.422



SEE SHEET 13-0002
MATCHLINE STA 20+00

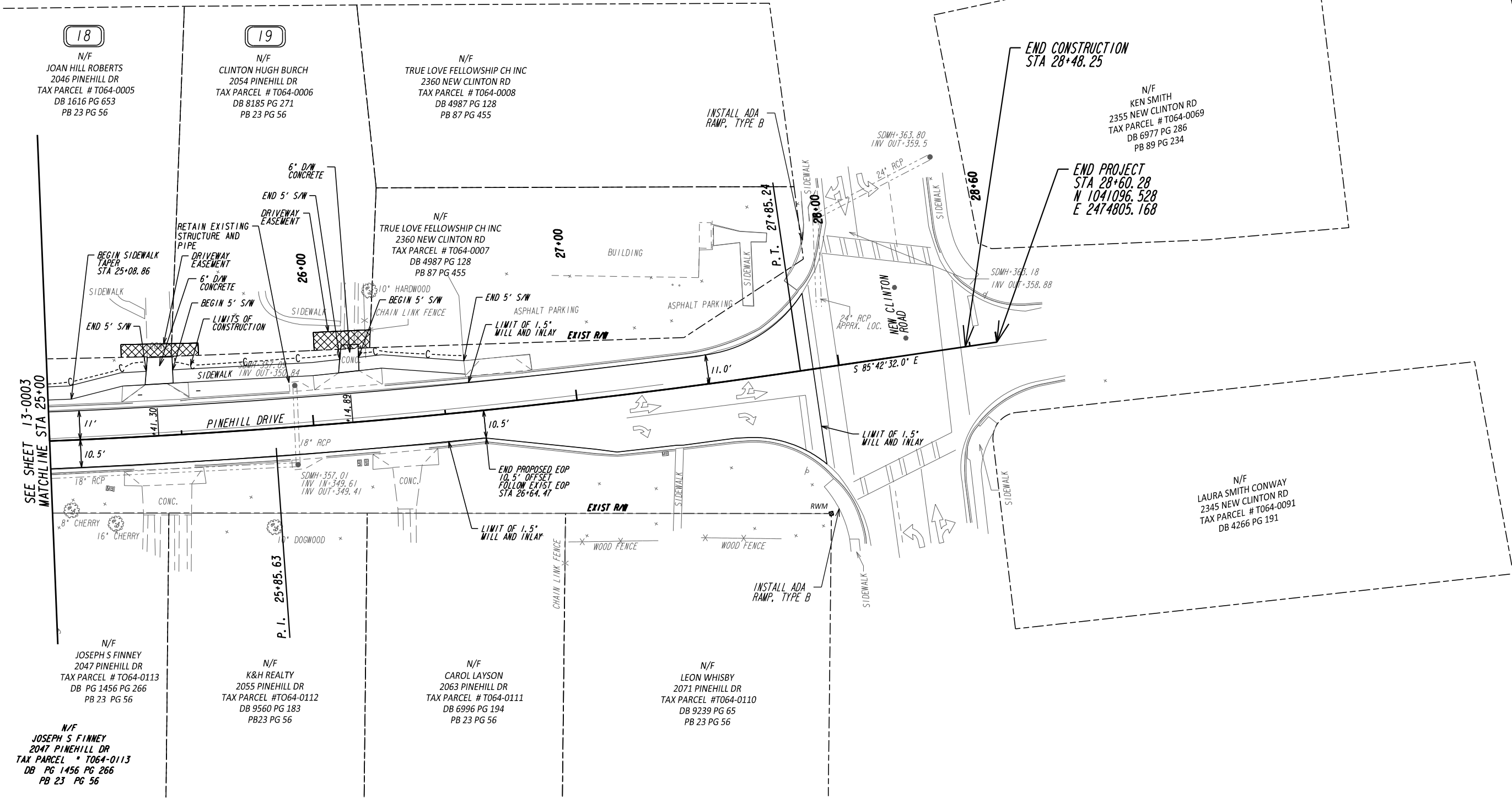
MATCHLINE STA 25+00
SEE SHEET 13-0004



REVISION DATES	

CONSTRUCTION PLAN		
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA		
JUNE 2020		DRAWING No.
CHECKED: TKS	DATE: 02/19/2019	13-0003
BACKCHECKED: TKS	DATE: 06/04/2019	
CORRECTED: WRW	DATE: 06/04/2019	
VERIFIED: ADS	DATE: 06/05/2019	

CURVE 2
 P.I. Sta. 25+85.63
 N. 1041177.133
 E. 2474530.553
 DELTA: 08°28'13.5" (LT)
 D: 02°07'19.4"
 T: 200.34
 L: 399.95
 R: 2700.00
 E: 7.422



SEE SHEET 13-0003
 MATCHLINE STA 25+00

END CONSTRUCTION
 STA 28+48.25

END PROJECT
 STA 28+60.28
 N 1041096.528
 E 2474805.168

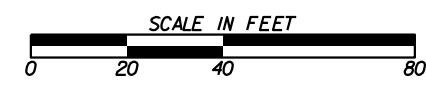
N/F
 LAURA SMITH CONWAY
 2345 NEW CLINTON RD
 TAX PARCEL # T064-0091
 DB 4266 PG 191

N/F
 JOSEPH S FINNEY
 2047 PINEHILL DR
 TAX PARCEL # T064-0113
 DB PG 1456 PG 266
 PB 23 PG 56

N/F
 K&H REALTY
 2055 PINEHILL DR
 TAX PARCEL # T064-0112
 DB 9560 PG 183
 PB 23 PG 56

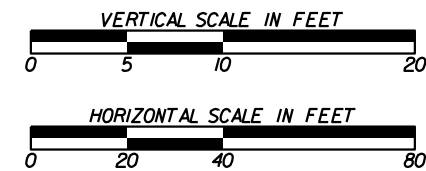
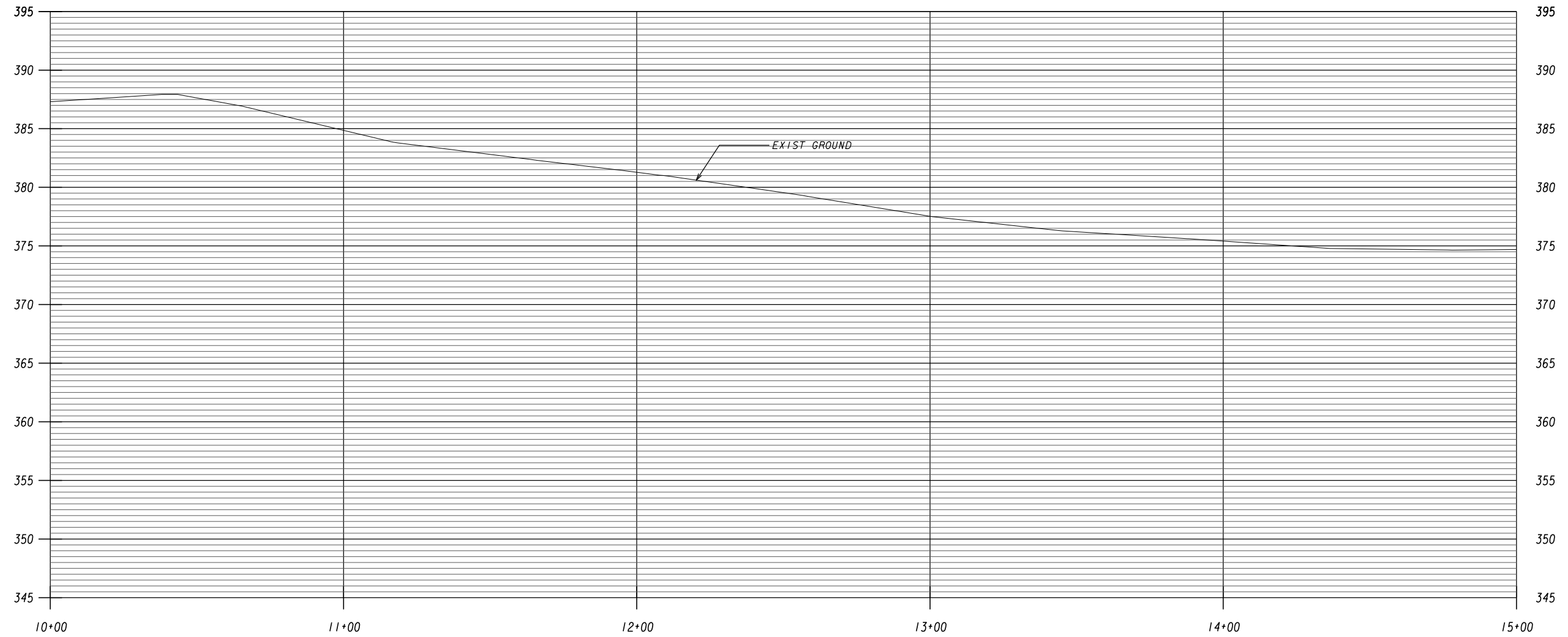
N/F
 CAROL LAYSON
 2063 PINEHILL DR
 TAX PARCEL # T064-0111
 DB 6996 PG 194
 PB 23 PG 56

N/F
 LEON WHISBY
 2071 PINEHILL DR
 TAX PARCEL # T064-0110
 DB 9239 PG 65
 PB 23 PG 56



REVISION DATES

CONSTRUCTION PLAN			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No.
			13-0004



REVISION DATES

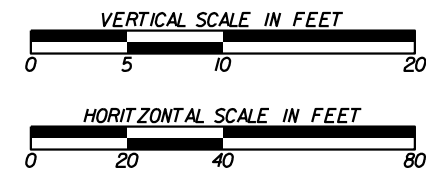
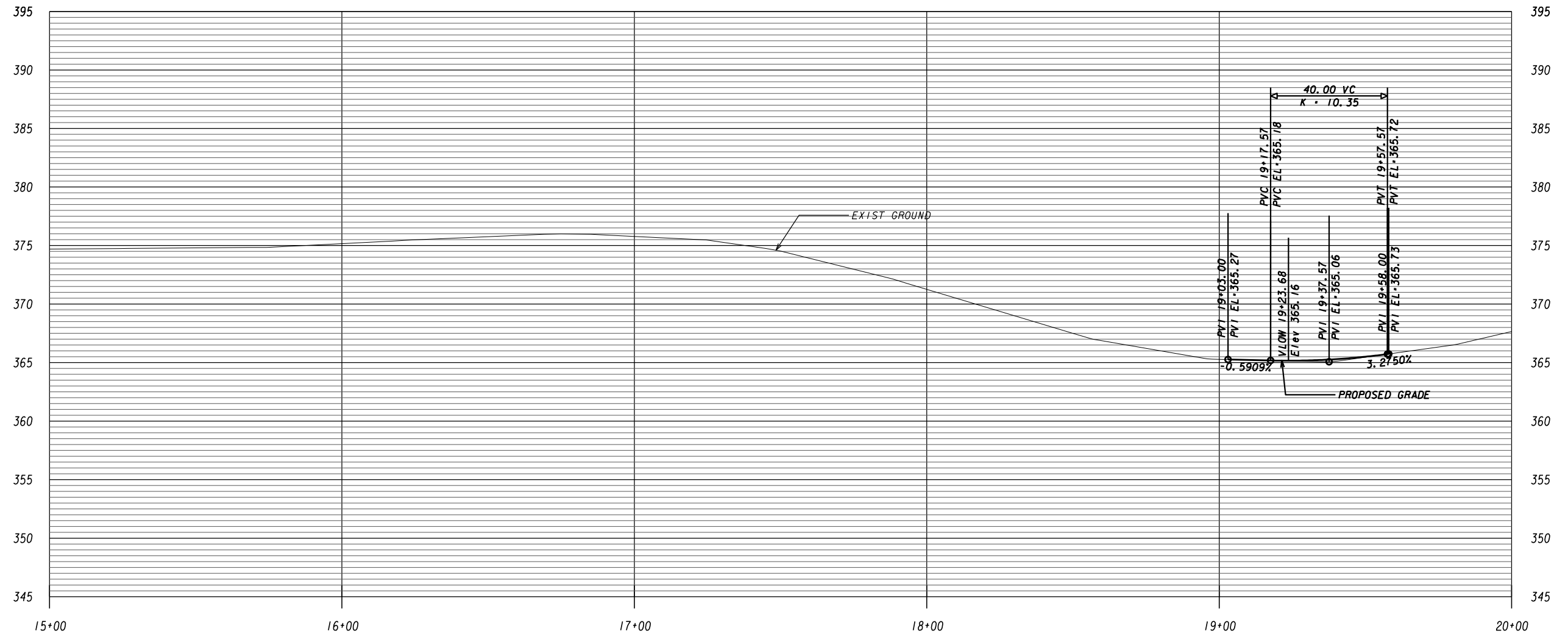
NO.	DATE	DESCRIPTION

MAINLINE PROFILE

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED: ADS	DATE: 02/19/2019	DRAWING No.
BACKCHECKED: TKS	DATE: 06/04/2019	15-0001
CORRECTED: WRW	DATE: 06/04/2019	
VERIFIED: ADS	DATE: 06/05/2019	



REVISION DATES

No.	Description	Date

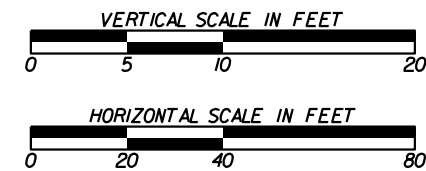
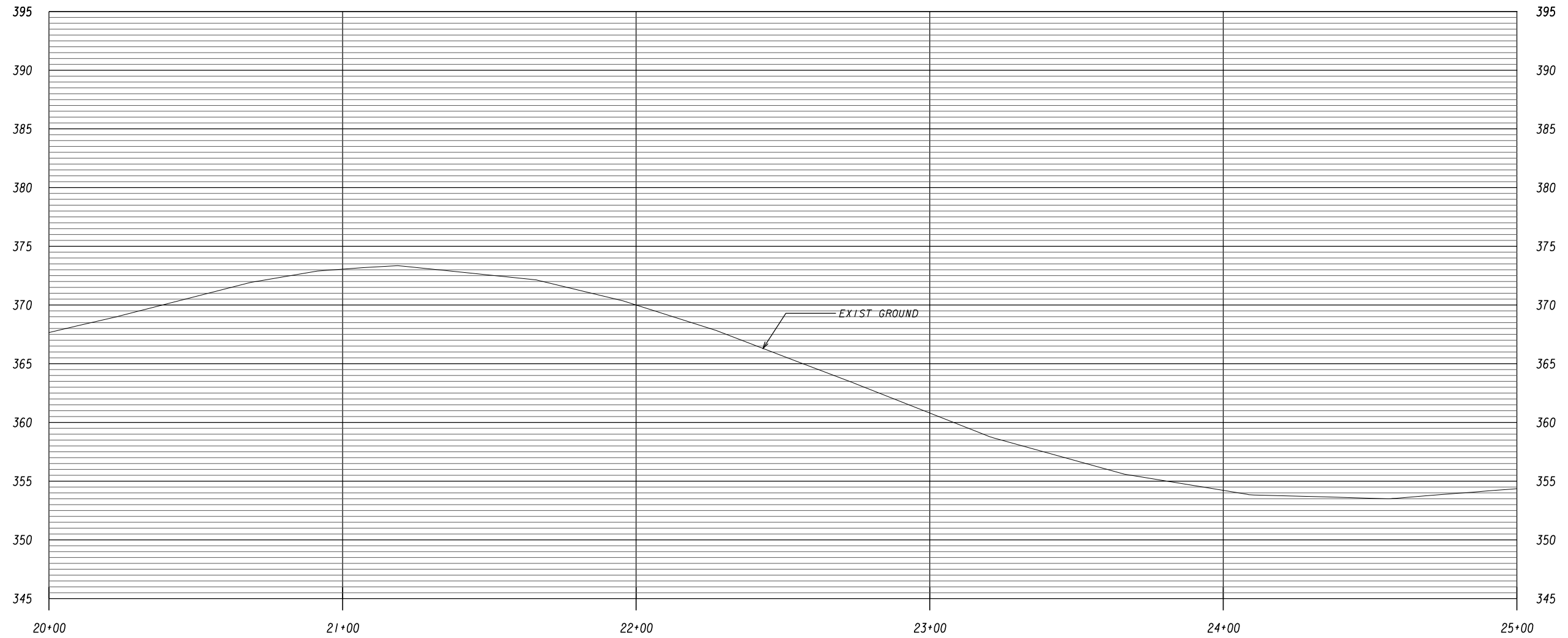
MAINLINE PROFILE

PINEHILL DRIVE
 SIDEWALK IMPROVEMENTS
 MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	WRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
 15-0002



REVISION DATES

NO.	DATE	DESCRIPTION

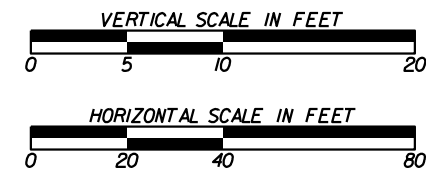
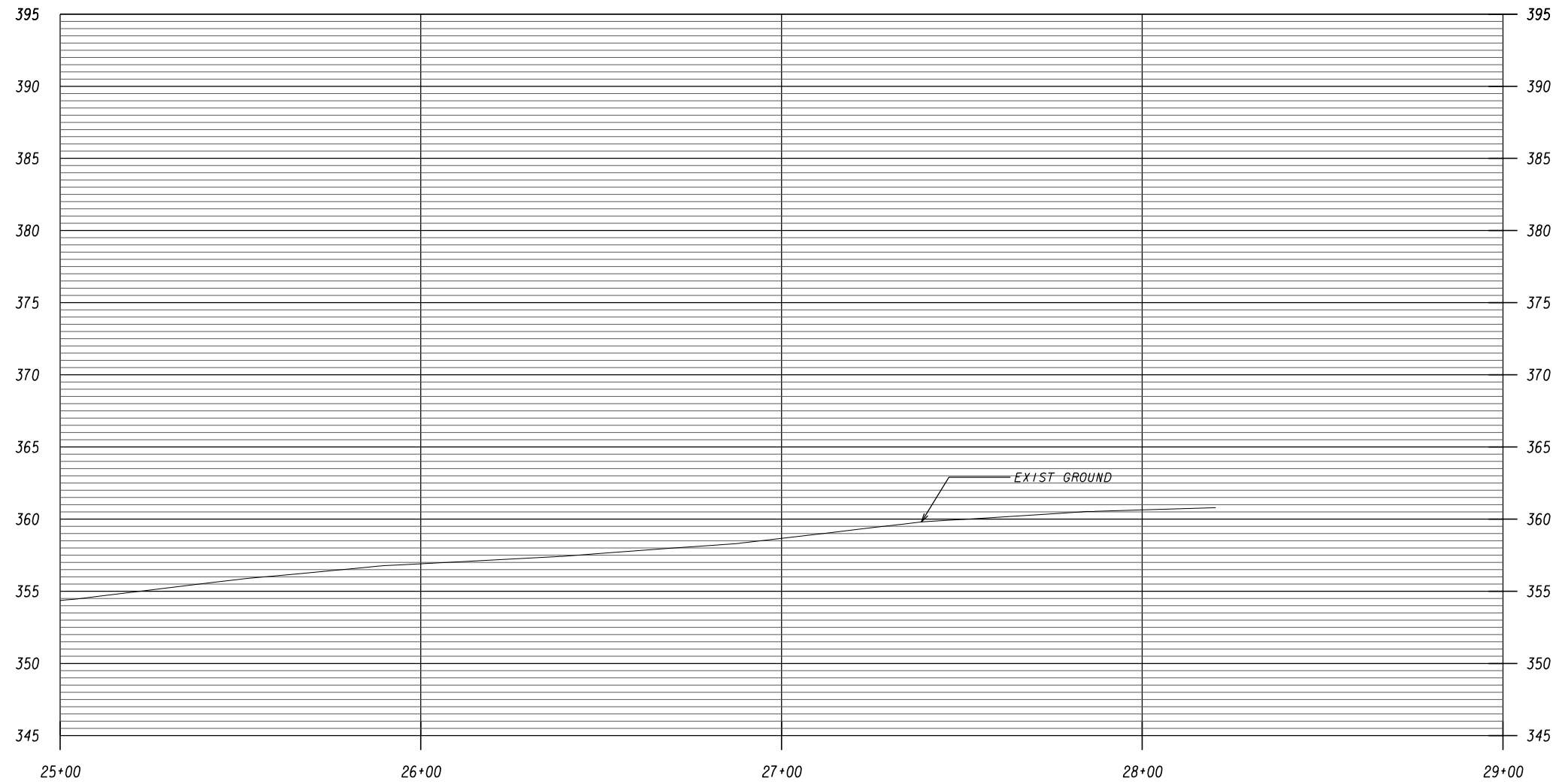
MAINLINE PROFILE

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
15-0003



REVISION DATES

NO.	DATE	DESCRIPTION

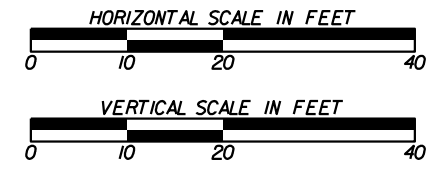
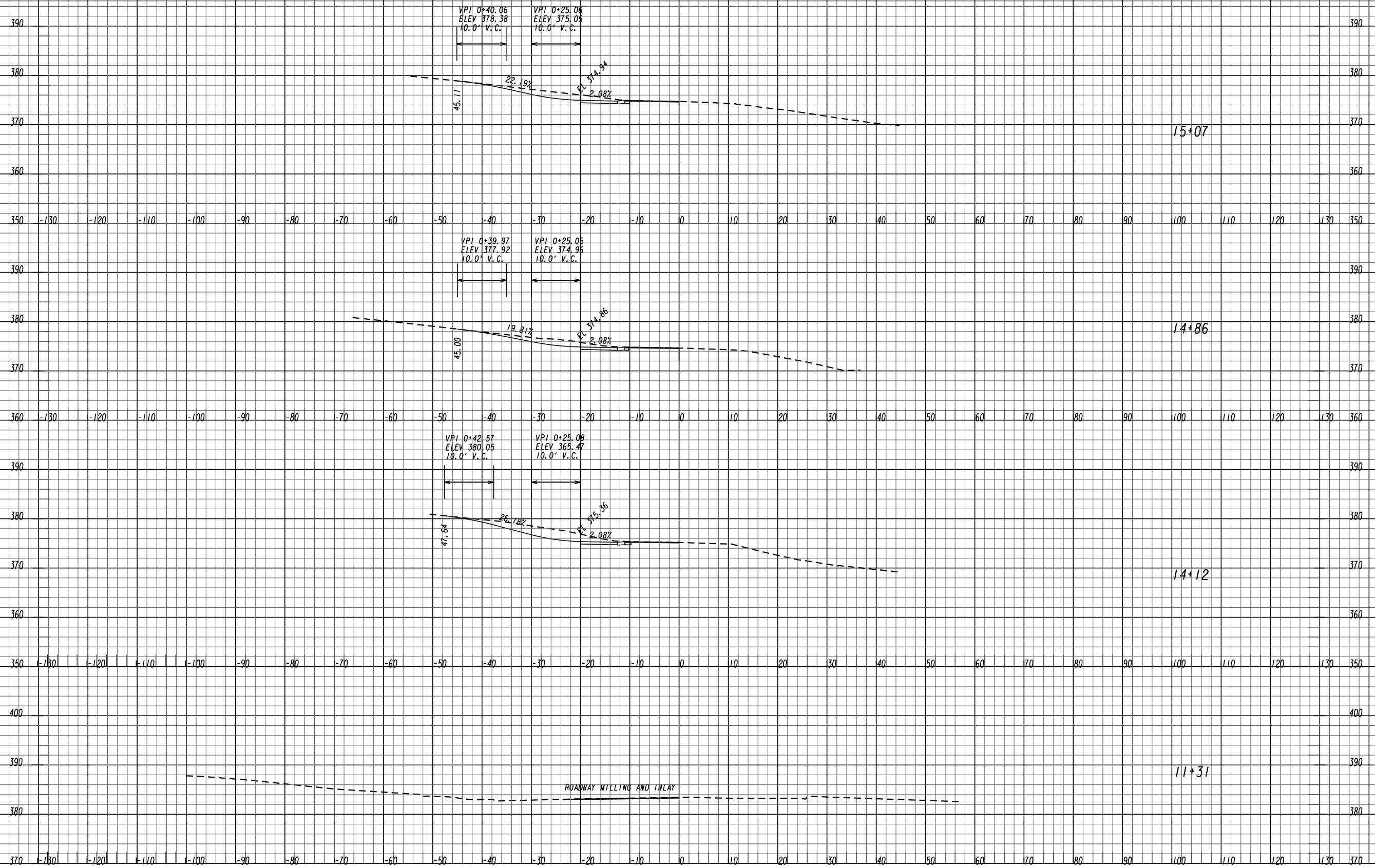
MAINLINE PROFILE

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

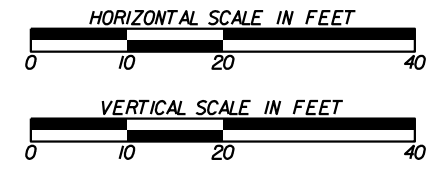
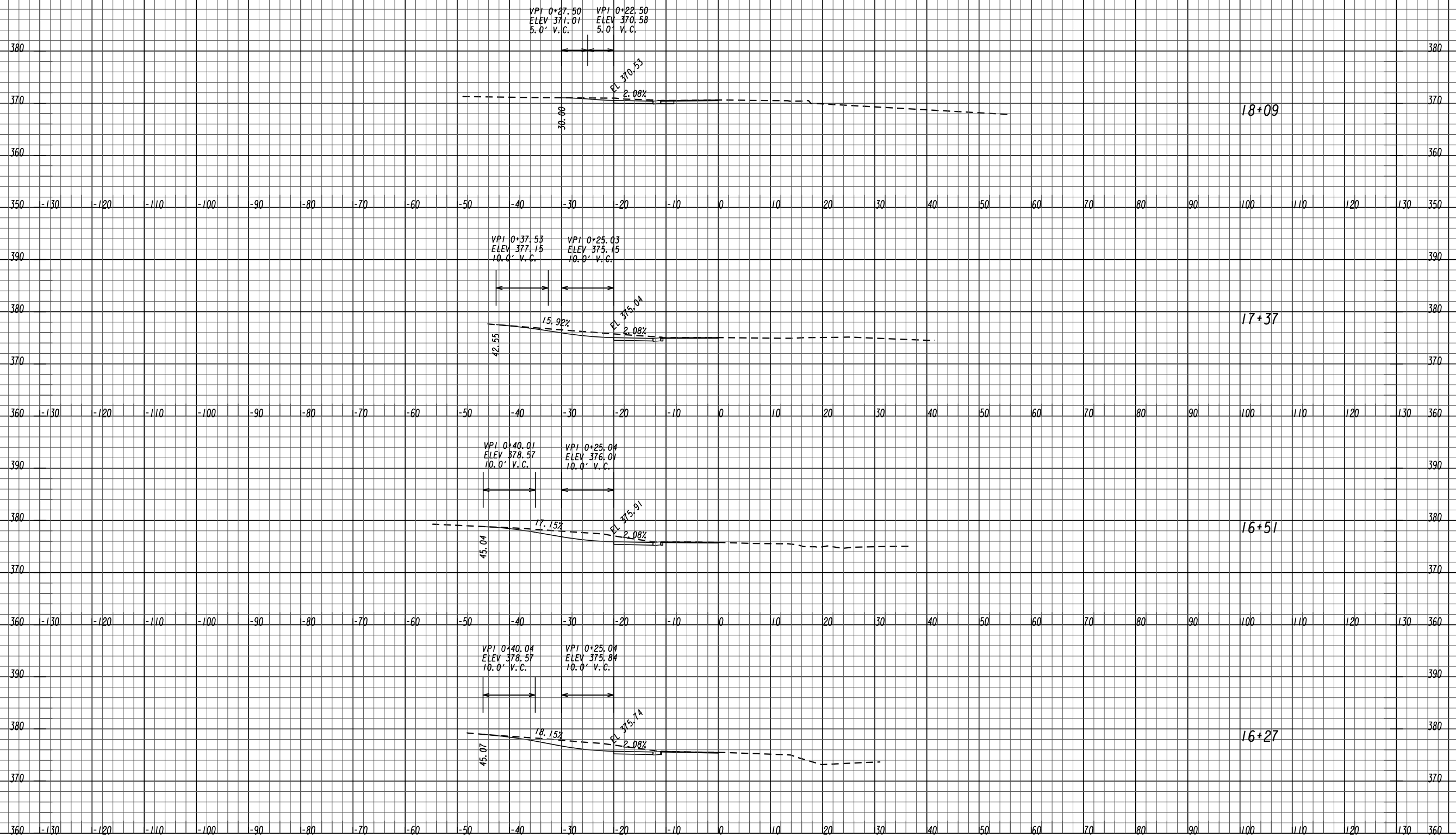
CHECKED: ADS	DATE: 02/19/2019
BACKCHECKED: TKS	DATE: 06/04/2019
CORRECTED: WRW	DATE: 06/04/2019
VERIFIED: ADS	DATE: 06/05/2019

DRAWING No.
15-0004



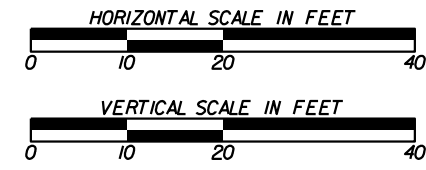
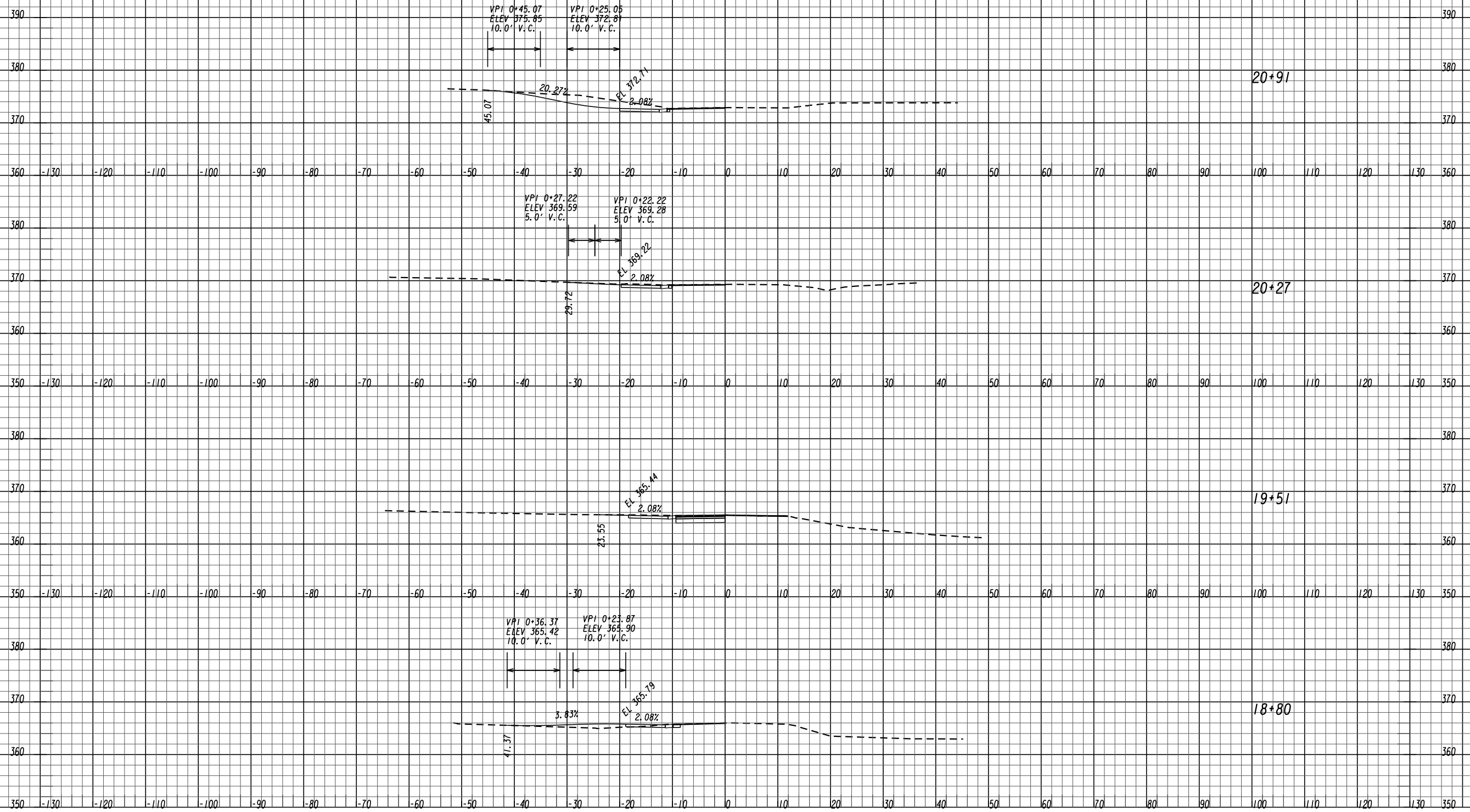
REVISION DATES

DRIVEWAY PROFILE			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED: ADS	DATE: 02/19/2019	DRAWING No.	
BACKCHECKED: TKS	DATE: 06/04/2019	17-0001	
CORRECTED: MRW	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019		



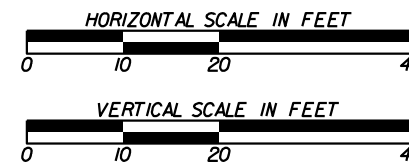
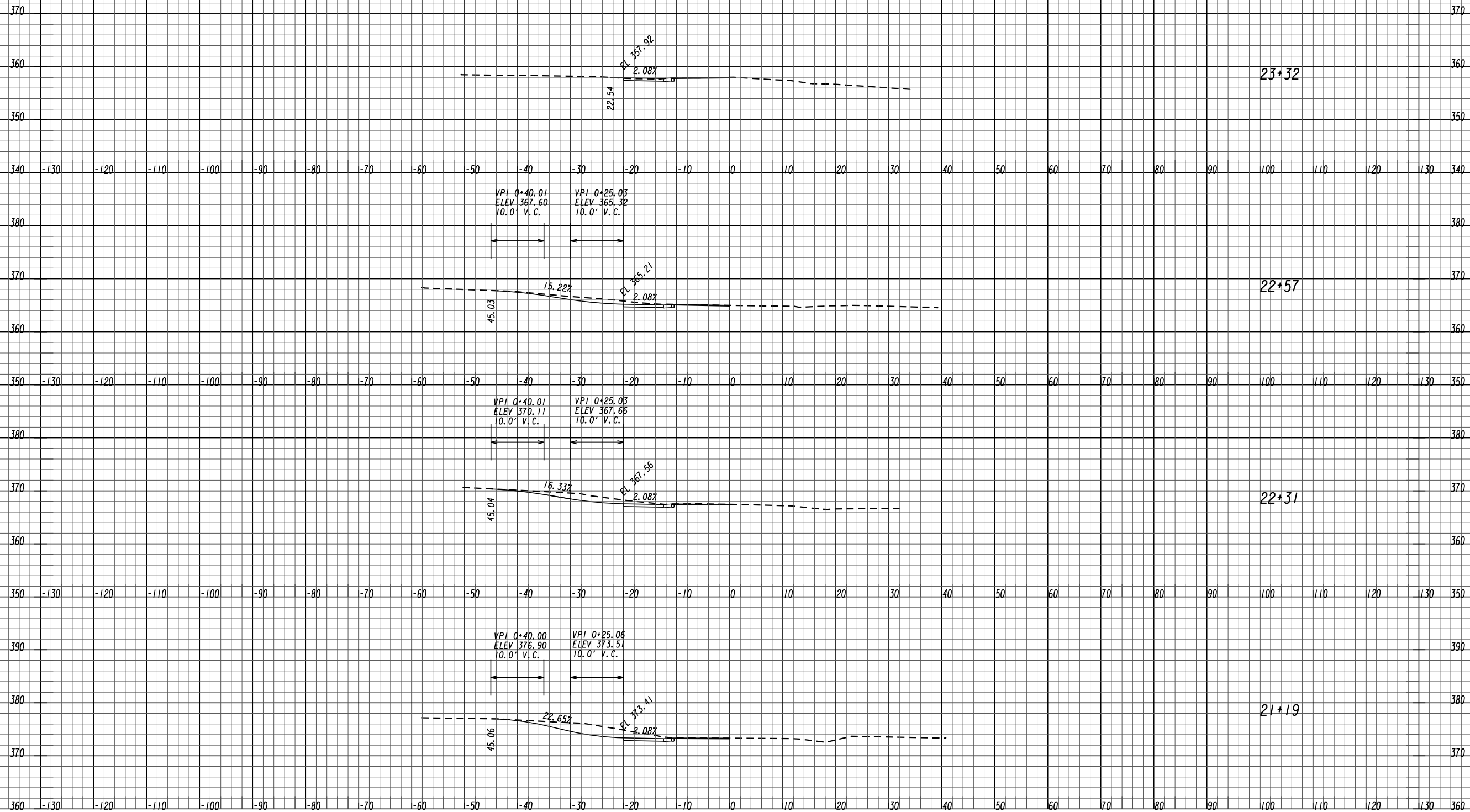
REVISION DATES

DRIVEWAY PROFILE			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED: ADS	DATE: 02/19/2019	DRAWING No.	
BACKCHECKED: TKS	DATE: 06/04/2019	17-0002	
CORRECTED: MRW	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019		



REVISION DATES

DRIVEWAY PROFILE			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
			JUNE 2020
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No.
			17-0003



REVISION DATES

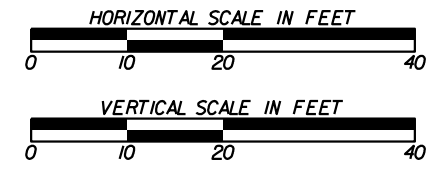
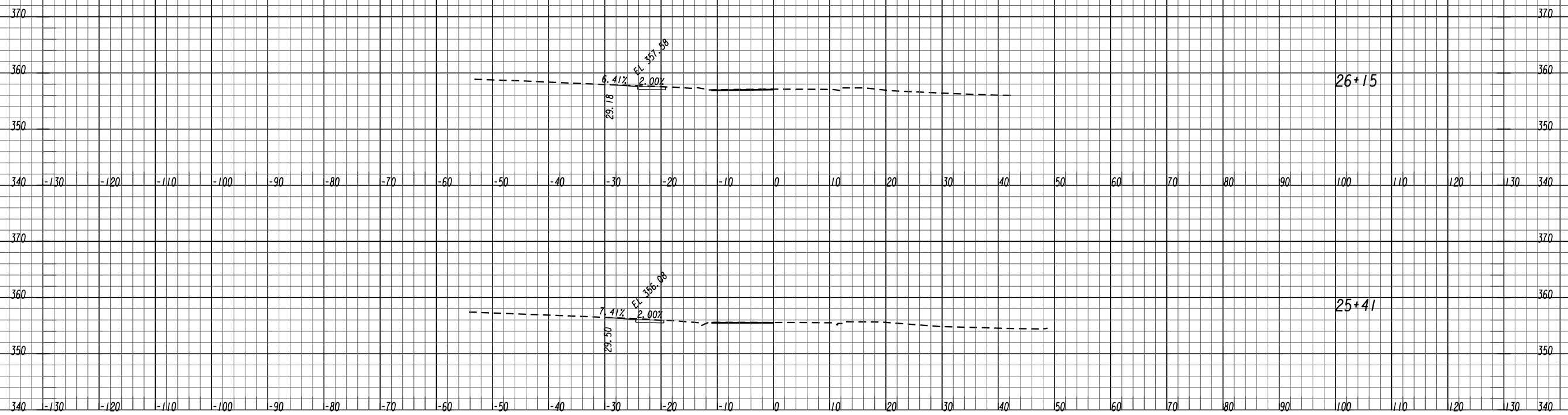
DRIVEWAY PROFILE

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
17-0004



REVISION DATES

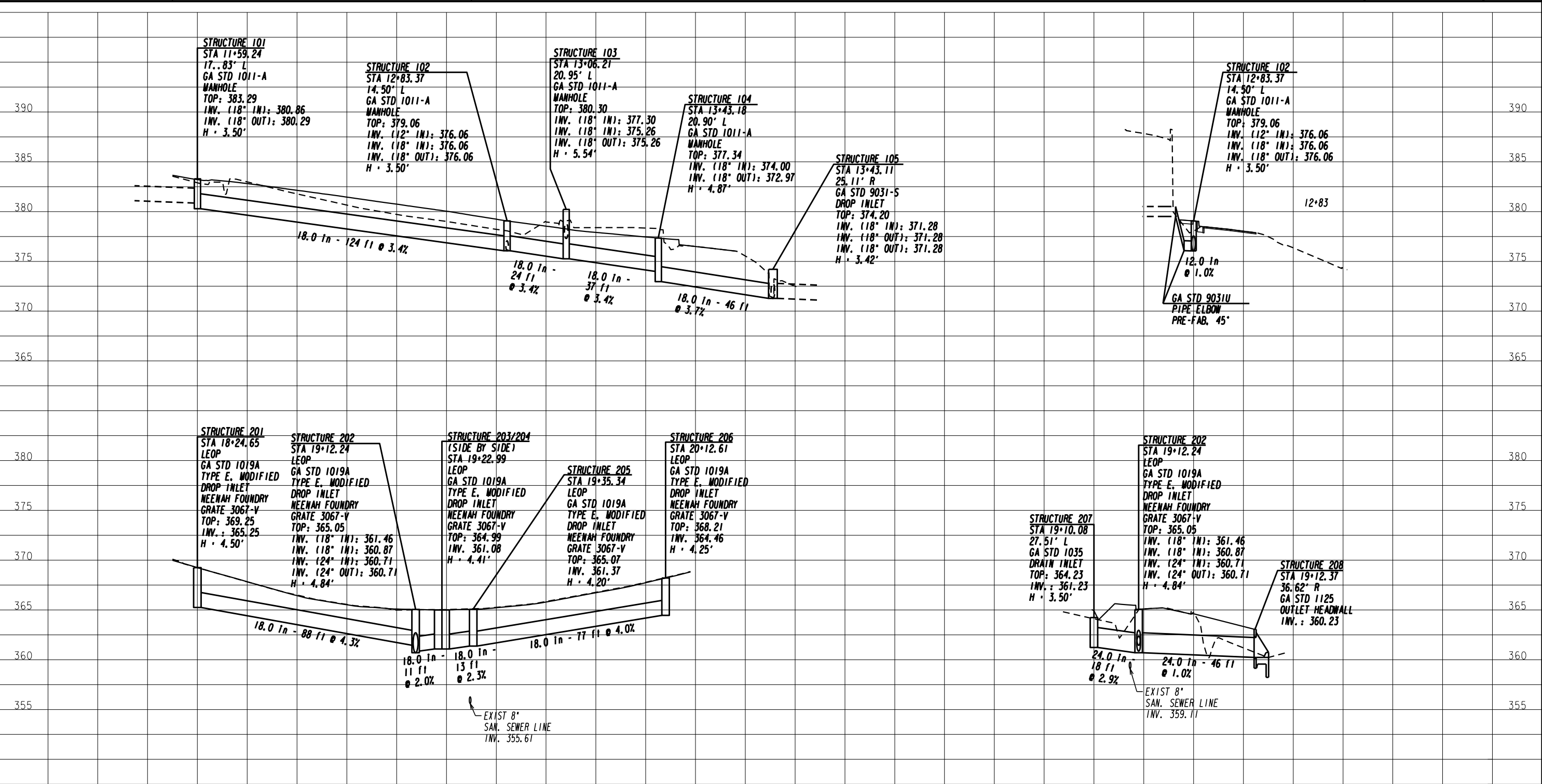
DRIVEWAY PROFILE

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

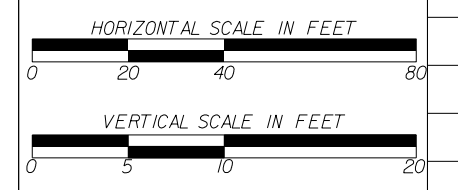
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BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
17-0005



STRUCTURES:
 101, 102, 103, 104, 105, 201, 202,
 203, 204, 205, 206, 207, 208

LEOP = LEFT EDGE OF PAVEMENT
 REOP = RIGHT EDGE OF PAVEMENT



REVISION DATES

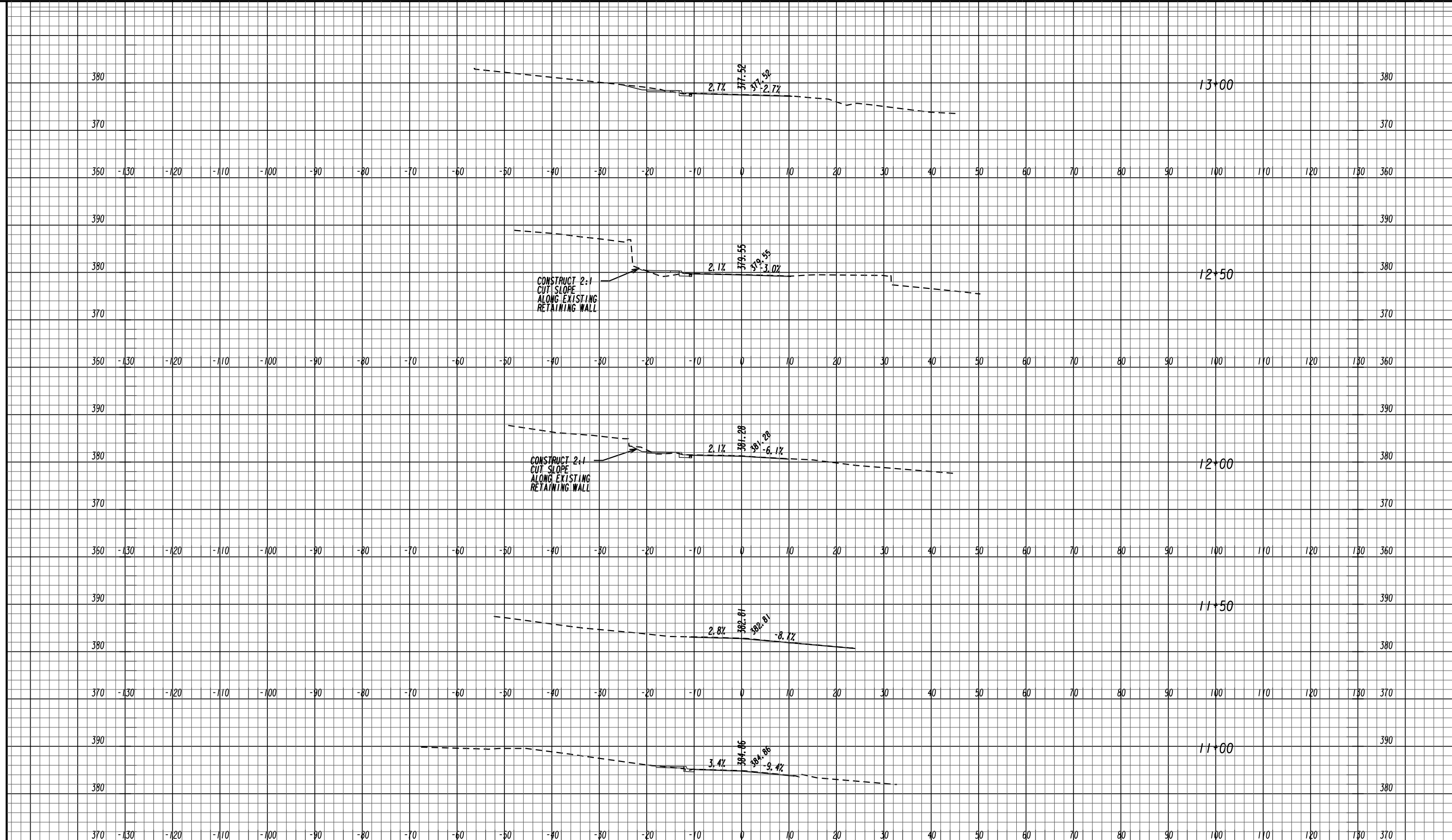
DRAINAGE PROFILES

PINEHILL DRIVE
 SIDEWALK IMPROVEMENTS
 MACON-BIBB COUNTY, GEORGIA

JUNE 2020

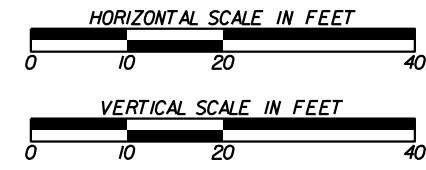
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BACKCHECKED:	TKS	DATE:	06/04/2019	
CORRECTED:	MRM	DATE:	06/04/2019	
VERIFIED:	ADS	DATE:	06/05/2019	

22-0001



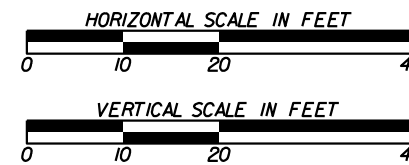
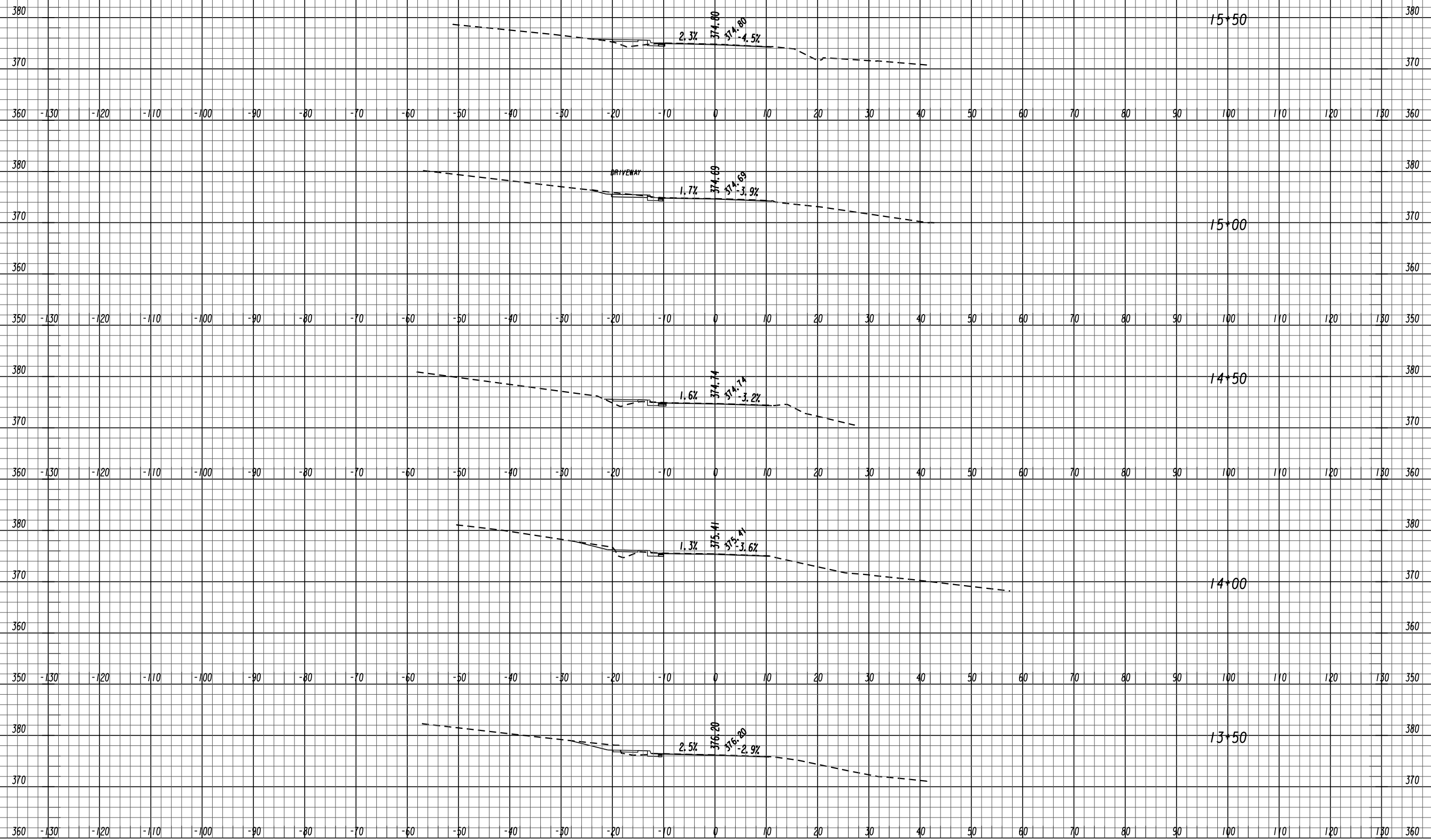
CONSTRUCT 2:1
CUT SLOPE
ALONG EXISTING
RETAINING WALL

CONSTRUCT 2:1
CUT SLOPE
ALONG EXISTING
RETAINING WALL



REVISION DATES

EARTHWORK CROSS SECTIONS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No. 23-0001



REVISION DATES

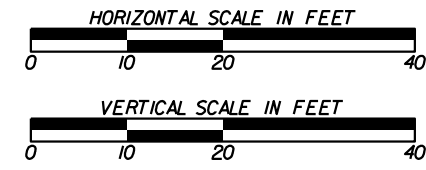
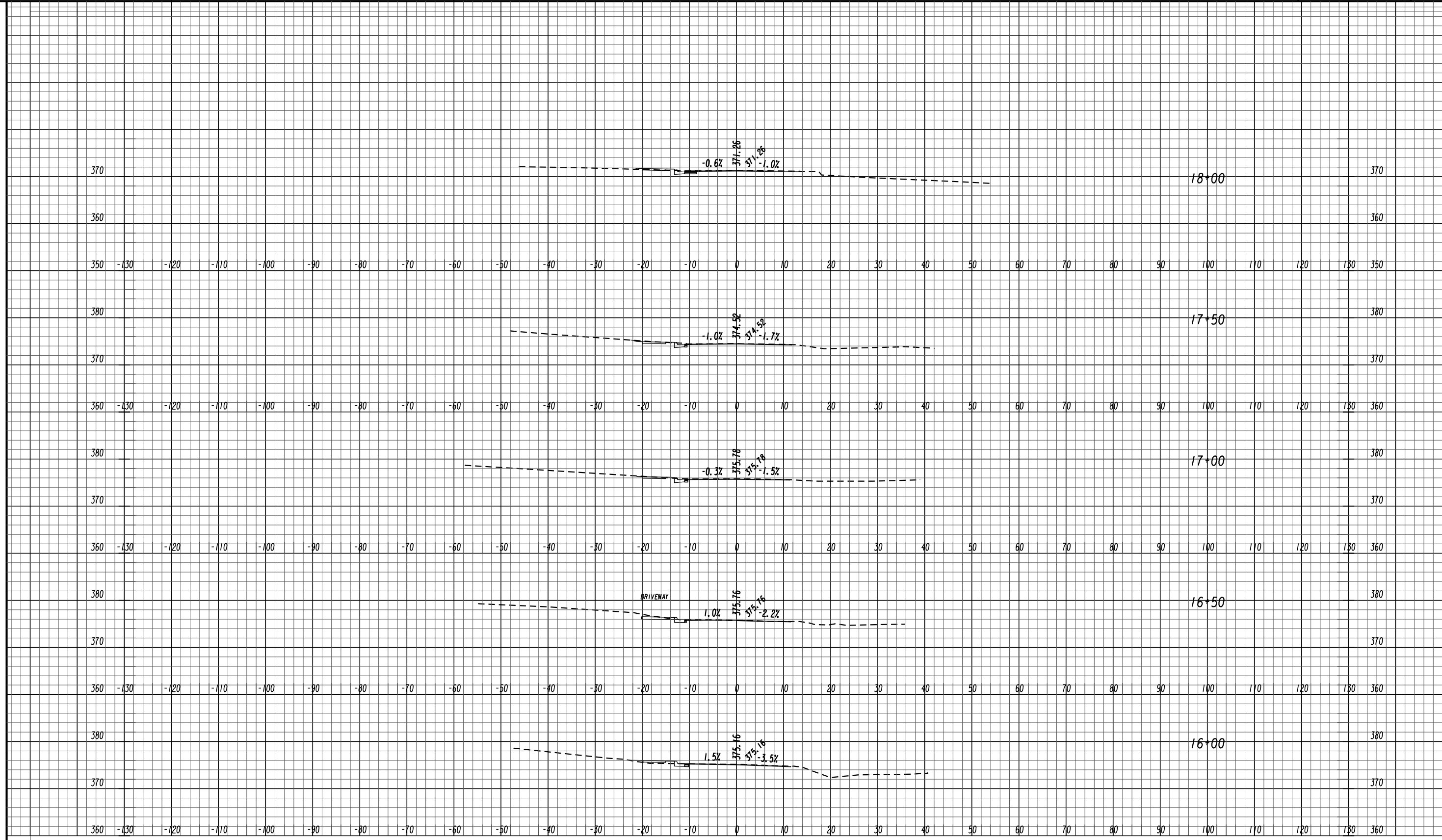
EARTHWORK CROSS SECTIONS

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

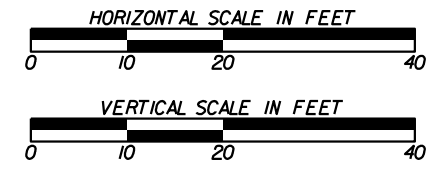
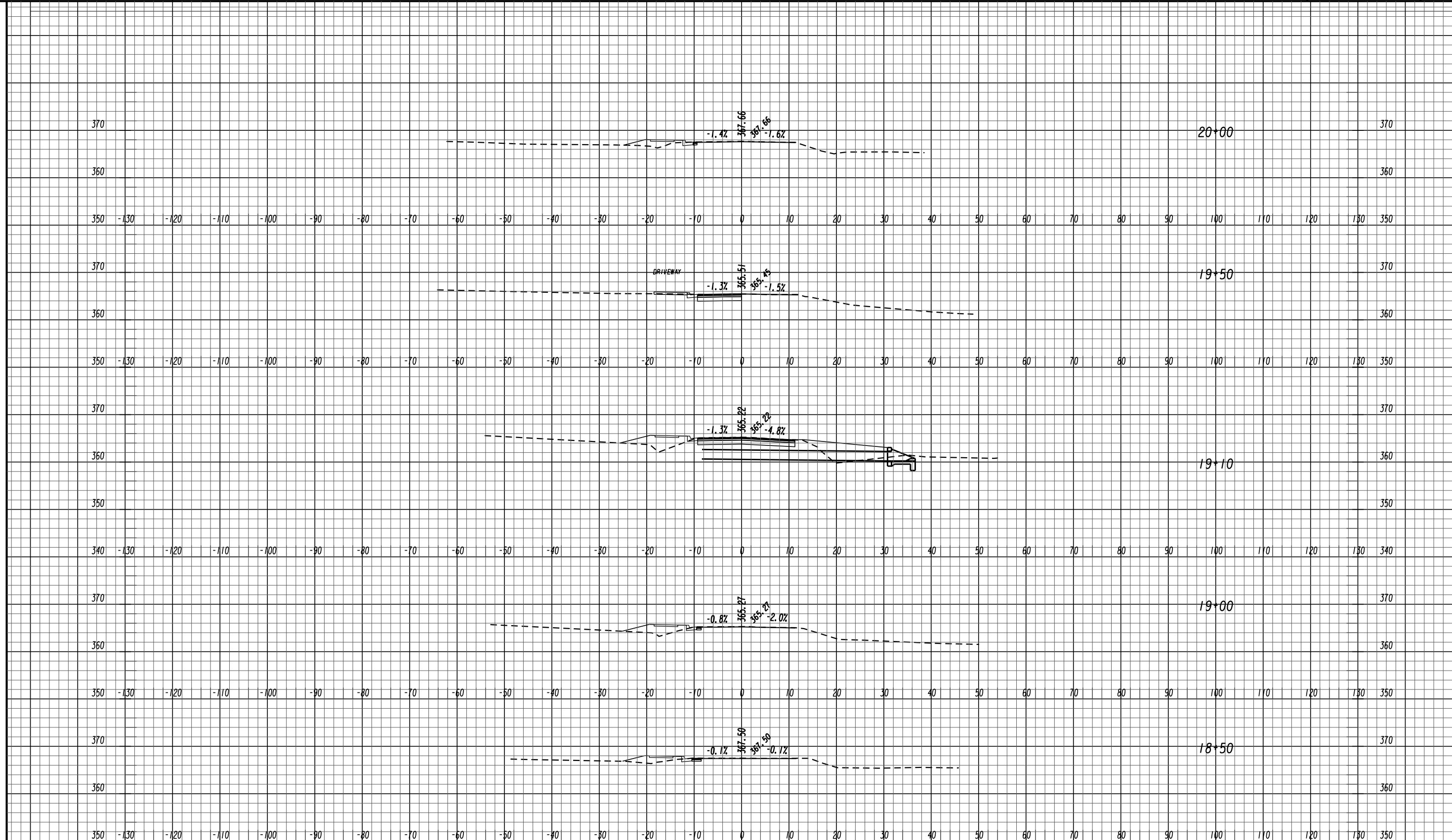
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BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
23-0002

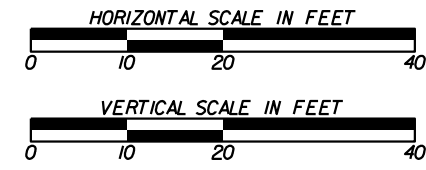
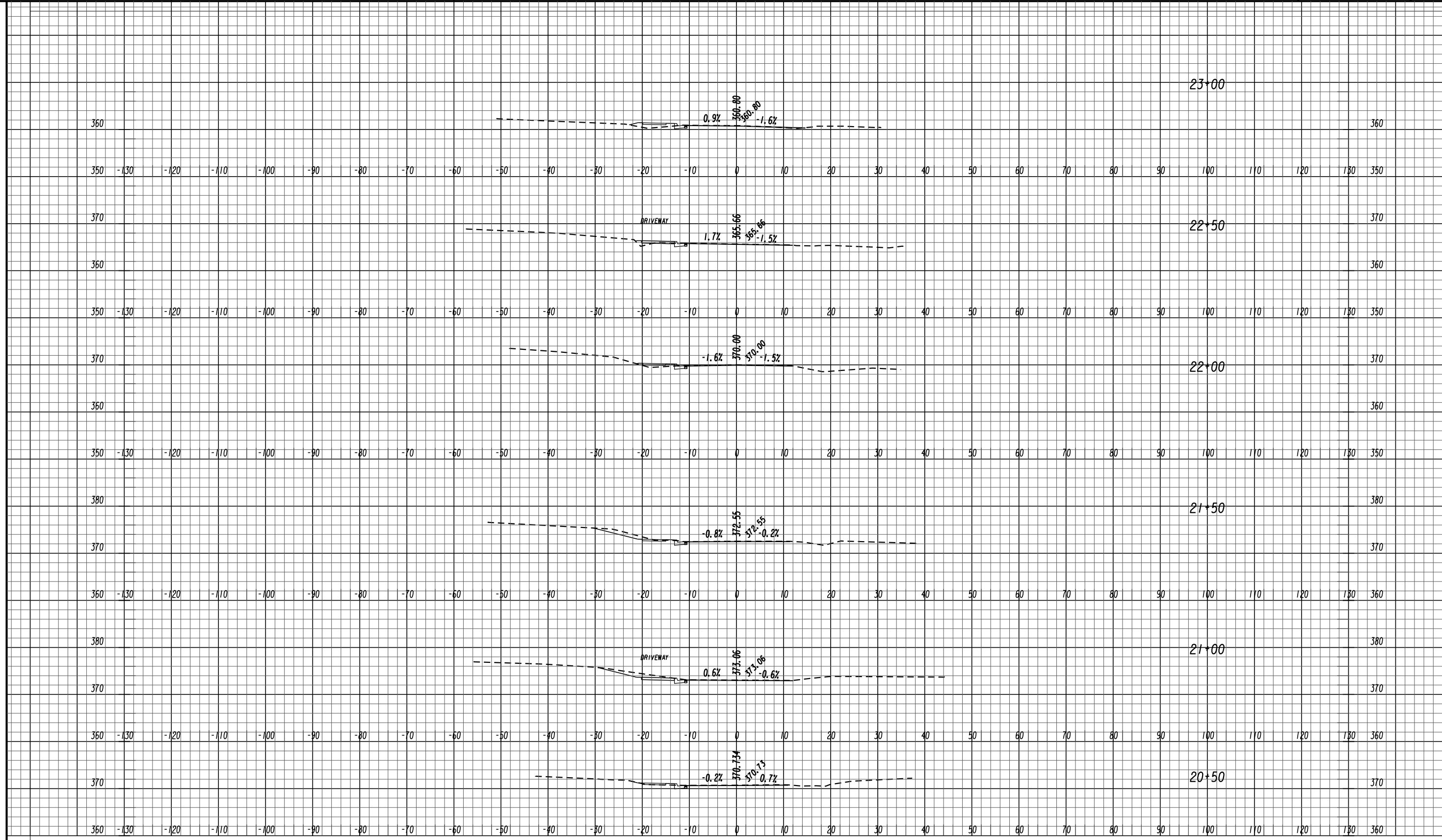


REVISION DATES

EARTHWORK CROSS SECTIONS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No. 23-0003

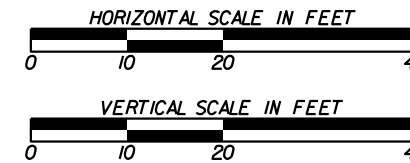
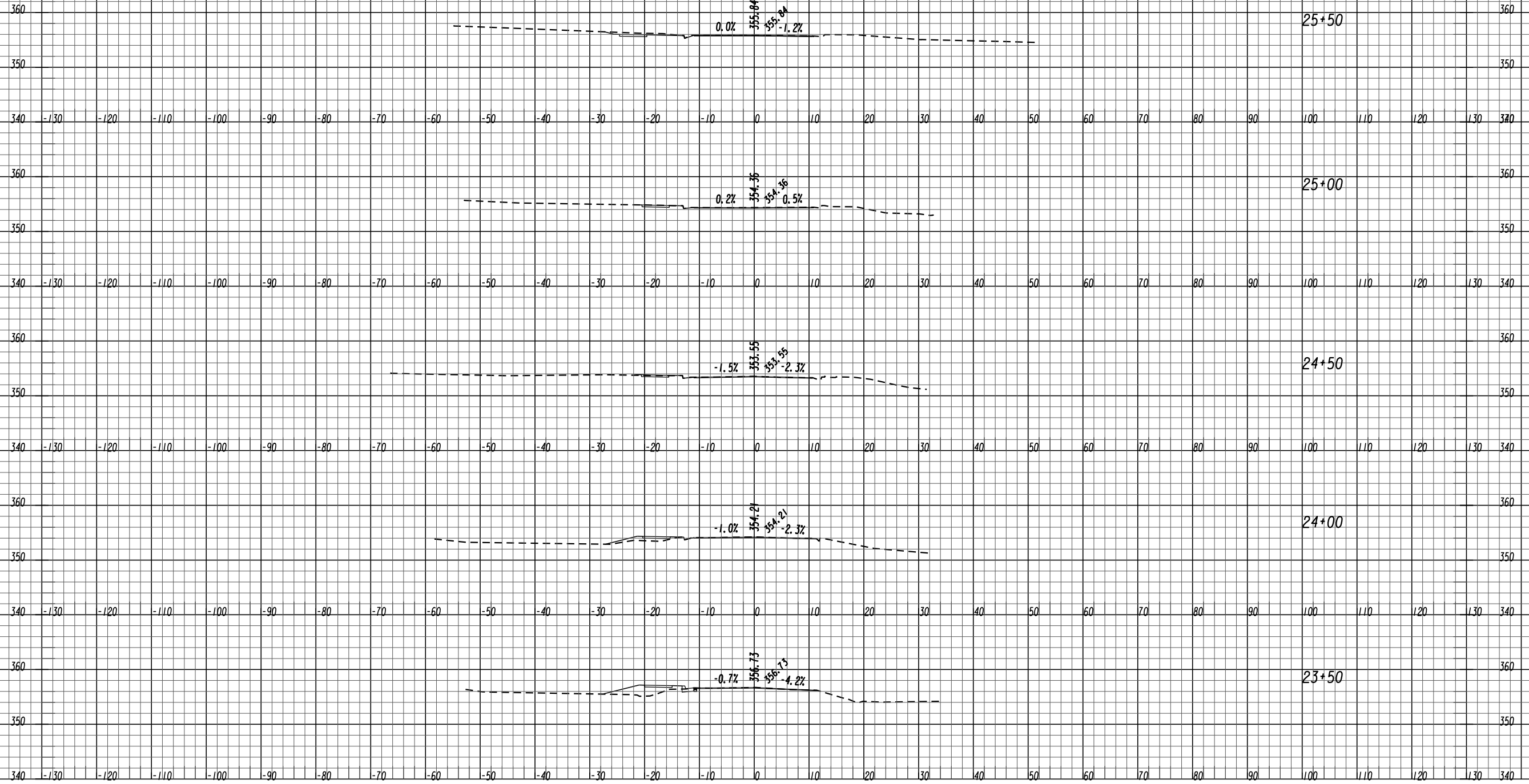


REVISION DATES		EARTHWORK CROSS SECTIONS	
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
CHECKED: ADS	DATE: 02/19/2019	JUNE 2020	
BACKCHECKED: TKS	DATE: 06/04/2019	DRAWING No.	
CORRECTED: MRW	DATE: 06/04/2019	23-0004	
VERIFIED: ADS	DATE: 06/05/2019		



REVISION DATES

EARTHWORK CROSS SECTIONS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED: ADS	DATE: 02/19/2019	DRAWING No.	
BACKCHECKED: TKS	DATE: 06/04/2019	23-0005	
CORRECTED: MRW	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019		



REVISION DATES

NO.	DATE	DESCRIPTION

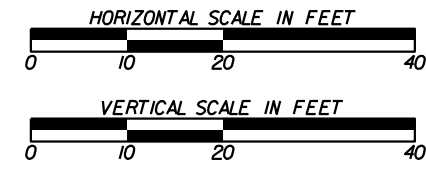
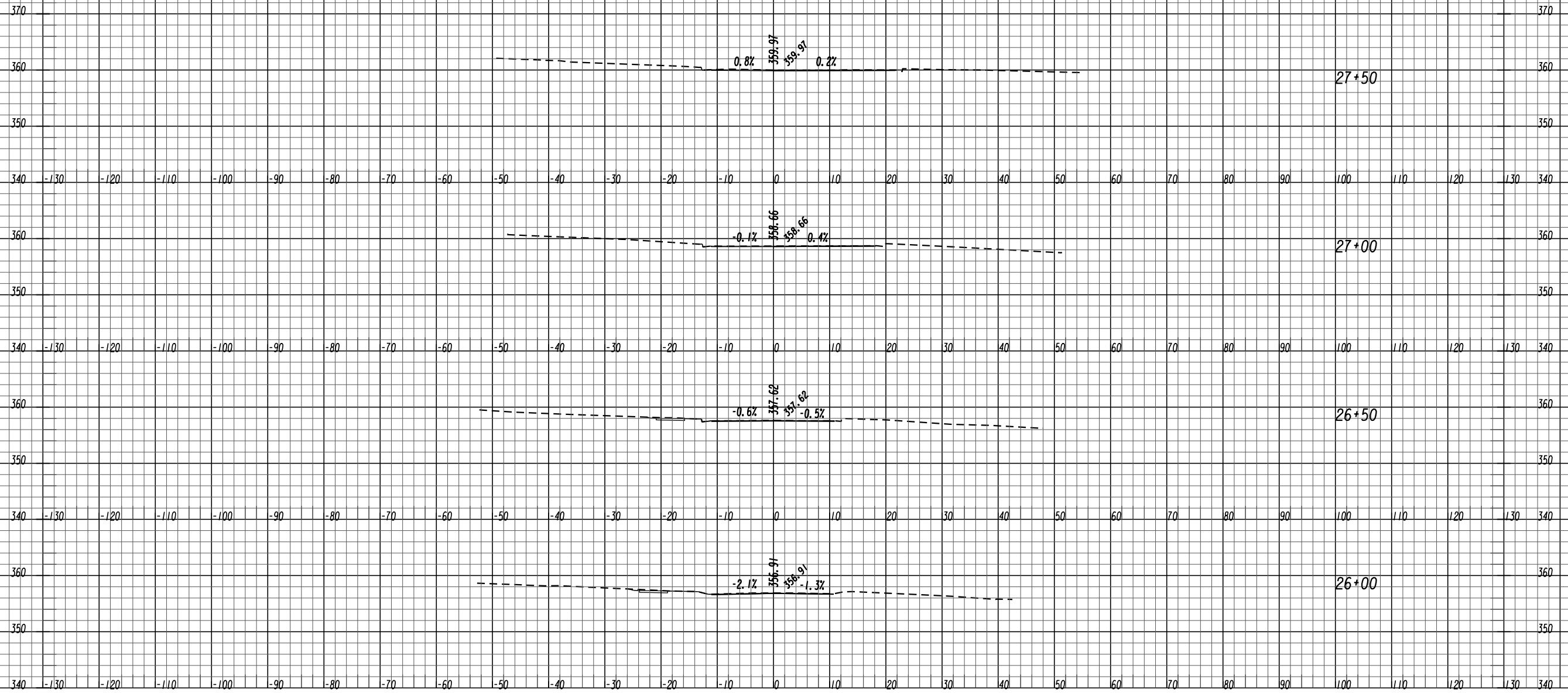
EARTHWORK CROSS SECTIONS

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
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VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
23-0006



REVISION DATES

EARTHWORK CROSS SECTIONS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No. 23-0007

UTILITY LINECODES

UTILITY SYMBOLS

EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
			ELECTRIC
			ELECTRIC/TELECOMMUNICATIONS
			ELECTRIC/CABLE TV
			ELECTRIC/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV
			ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/CABLE TV/TRAFFIC CONTROL
			ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
			GUY WIRE
			TELECOMMUNICATIONS
			TELECOMMUNICATIONS/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
			TELECOMMUNICATIONS/CABLE TV
			CABLE TV
			CABLE TV/TRAFFIC CONTROL
			TRAFFIC CONTROL
			ELECTRIC (OL-D)
			ELECTRIC (OL-C)
			ELECTRIC (OL-B)
			TELECOMMUNICATIONS (OL-D)
			TELECOMMUNICATIONS (OL-C)
			TELECOMMUNICATIONS (OL-B)
			CABLE TV (OL-D)
			CABLE TV (OL-C)
			CABLE TV (OL-B)
			WATER (OL-D)
			WATER (OL-C)
			WATER (OL-B)
			WATER FOR LABELED PIPE SIZES (OL-D)
			WATER FOR LABELED PIPE SIZES (OL-C)
			WATER FOR LABELED PIPE SIZES (OL-B)
			NON-POTABLE WATER (OL-D)
			NON-POTABLE WATER (OL-C)
			NON-POTABLE WATER (OL-B)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-D)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-C)
			NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-B)
			STEAM (OL-D)
			STEAM (OL-C)
			STEAM (OL-B)
			STEAM FOR LABELED PIPE SIZES (OL-D)
			STEAM FOR LABELED PIPE SIZES (OL-C)
			STEAM FOR LABELED PIPE SIZES (OL-B)
			SANITARY SEWER WITH FLOW DIRECTION (OL-D)
			SANITARY SEWER WITH FLOW DIRECTION (OL-C)
			SANITARY SEWER WITH FLOW DIRECTION (OL-B)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-D)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-C)
			SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-B)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-D)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-C)
			SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-B)
			GAS (OL-D)
			GAS (OL-C)
			GAS (OL-B)
			GAS FOR LABELED PIPE SIZES (OL-D)
			GAS FOR LABELED PIPE SIZES (OL-C)
			GAS FOR LABELED PIPE SIZES (OL-B)
			PETROLEUM (OL-D)
			PETROLEUM (OL-C)
			PETROLEUM (OL-B)
			PETROLEUM FOR LABELED PIPE SIZES (OL-D)
			PETROLEUM FOR LABELED PIPE SIZES (OL-C)
			PETROLEUM FOR LABELED PIPE SIZES (OL-B)
			TRAFFIC CONTROL (OL-D)
			TRAFFIC CONTROL (OL-C)
			TRAFFIC CONTROL (OL-B)
			UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (OL-B)

FOR PROPOSED/TEMPORARY
TRAFFIC CONTROL INFORMATION
REFER TO TRAFFIC SIGNAL PLANS

EXISTING	PROPOSED	TEMPORARY	EXISTING	PROPOSED	TEMPORARY
			<p>FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS</p>		
			<p>MISCELLANEOUS</p> <p>LOS</p> <p>TH</p> <p>EOI</p> <p>Quality Level (OL) Delineation</p> <p>Pole ID</p> <p>Sanitary Sewer Manhole (SSMH) ID</p> <p>Conflict Location (UIA) ONLY</p>		
			<p>LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION</p>		
			<p>TEST HOLE (OL-A ONLY)</p>		
			<p>END OF INFORMATION</p>		
			<p>QUALITY LEVEL (OL) DELINEATION</p>		
			<p>POLE ID</p>		
			<p>SANITARY SEWER MANHOLE (SSMH) ID</p>		

QUALITY LEVELS AND DEFINITIONS

OL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. OL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

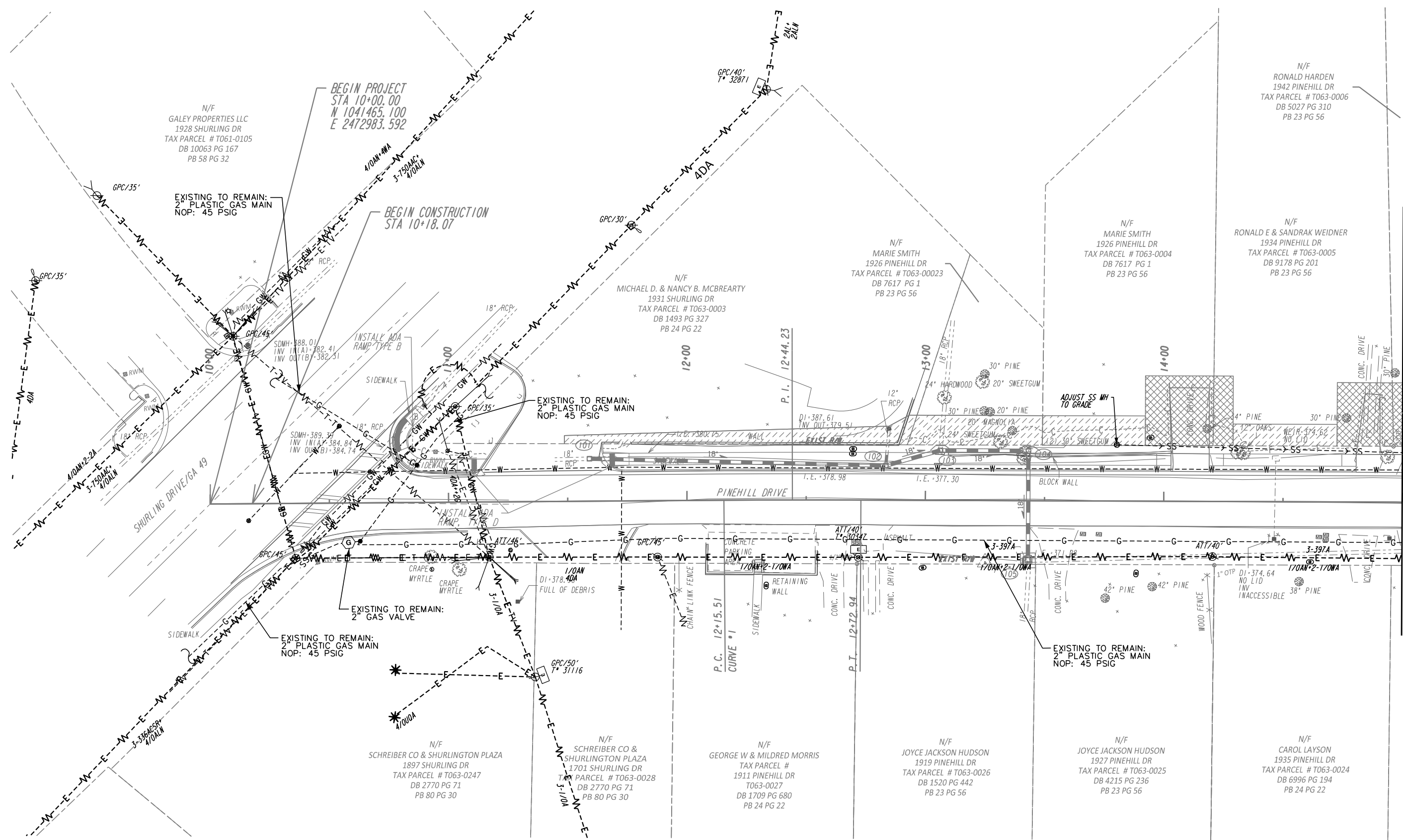
OL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

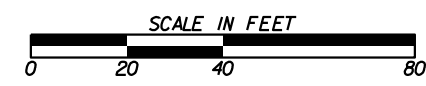
TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN



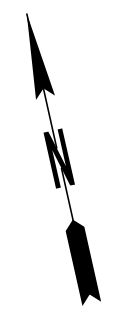
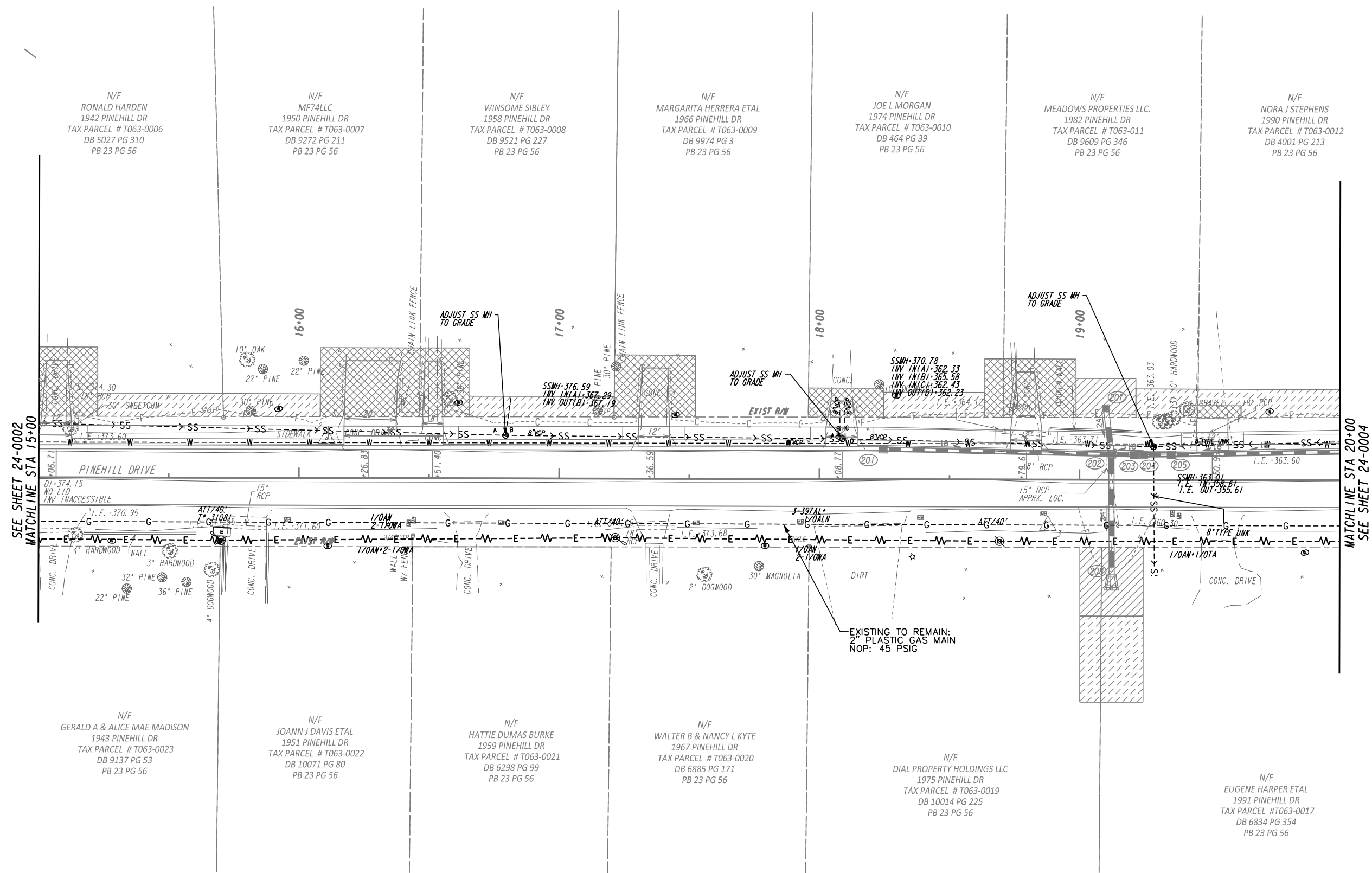
REVISION DATES		UTILITY PLANS LEGEND	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GA	
		CHECKED: ADS	DATE: 02/19/2019
		BACKCHECKED:	DATE:
		CORRECTED:	DATE:
		VERIFIED:	DATE:
		DRAWING No. 24-0001	
		FEBRUARY 2019	



MATCHLINE STA 15+00
SEE SHEET 24-0003



REVISION DATES		UTILITY PLANS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		JUNE 2020	
		DRAWING No.	
		24-0002	



SEE SHEET 24-0002
MATCHLINE STA 15+00

MATCHLINE STA 20+00
SEE SHEET 24-0004

N/F RONALD HARDEN
1942 PINEHILL DR
TAX PARCEL # T063-0006
DB 5027 PG 310
PB 23 PG 56

N/F MF74LLC
1950 PINEHILL DR
TAX PARCEL # T063-0007
DB 9272 PG 211
PB 23 PG 56

N/F WINSOME SIBLEY
1958 PINEHILL DR
TAX PARCEL # T063-0008
DB 9521 PG 227
PB 23 PG 56

N/F MARGARITA HERRERA ETAL
1966 PINEHILL DR
TAX PARCEL # T063-0009
DB 9974 PG 3
PB 23 PG 56

N/F JOE L MORGAN
1974 PINEHILL DR
TAX PARCEL # T063-0010
DB 464 PG 39
PB 23 PG 56

N/F MEADOWS PROPERTIES LLC
1982 PINEHILL DR
TAX PARCEL # T063-011
DB 9609 PG 346
PB 23 PG 56

N/F NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

N/F GERALD A & ALICE MAE MADISON
1943 PINEHILL DR
TAX PARCEL # T063-0023
DB 9137 PG 53
PB 23 PG 56

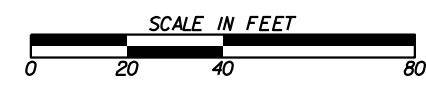
N/F JOANN J DAVIS ETAL
1951 PINEHILL DR
TAX PARCEL # T063-0022
DB 10071 PG 80
PB 23 PG 56

N/F HATTIE DUMAS BURKE
1959 PINEHILL DR
TAX PARCEL # T063-0021
DB 6298 PG 99
PB 23 PG 56

N/F WALTER B & NANCY L KYTE
1967 PINEHILL DR
TAX PARCEL # T063-0020
DB 6885 PG 171
PB 23 PG 56

N/F DIAL PROPERTY HOLDINGS LLC
1975 PINEHILL DR
TAX PARCEL # T063-0019
DB 6885 PG 225
PB 23 PG 56

N/F EUGENE HARPER ETAL
1991 PINEHILL DR
TAX PARCEL # T063-0017
DB 6834 PG 354
PB 23 PG 56



REVISION DATES		UTILITY PLANS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
			JUNE 2020
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		DRAWING No.	
		24-0003	

N/F
NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

N/F
GLADYS O ANTHONY
1998 PINEHILL DR
TAX PARCEL # T063-0013
DB 3092, PG 213
PB 23 PG 56

N/F
BAE PROPERTIES LLC
2006 PINEHILL DR
TAX PARCEL # T063-0014
DB 10153 PG 178
PB 22 PG 79

N/F
JR MCCOOK JR.
2014 PINEHILL DR
TAX PARCEL # T064-0001
DB 2299 PG 162
PB 23 PG 56

N/F
JEFF & PATRICIA ANNE JAMES
2022 PINEHILL DR
TAX PARCEL # T064-0002
DB 8135 PG 92
PB 23 PG 56

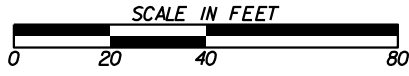
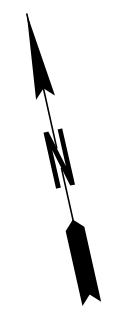
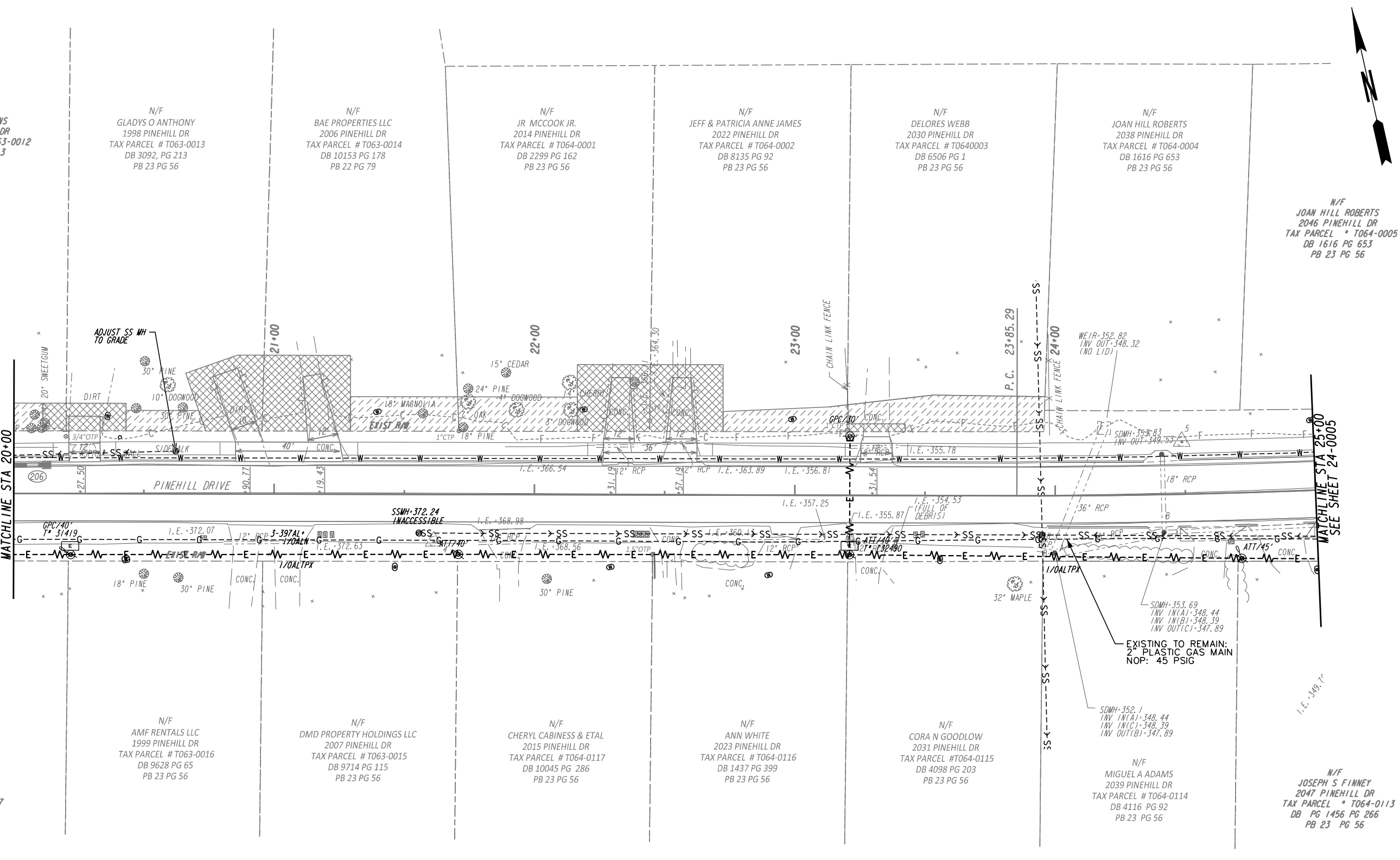
N/F
DELORES WEBB
2030 PINEHILL DR
TAX PARCEL # T0640003
DB 6506 PG 1
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2038 PINEHILL DR
TAX PARCEL # T064-0004
DB 1616 PG 653
PB 23 PG 56

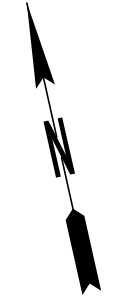
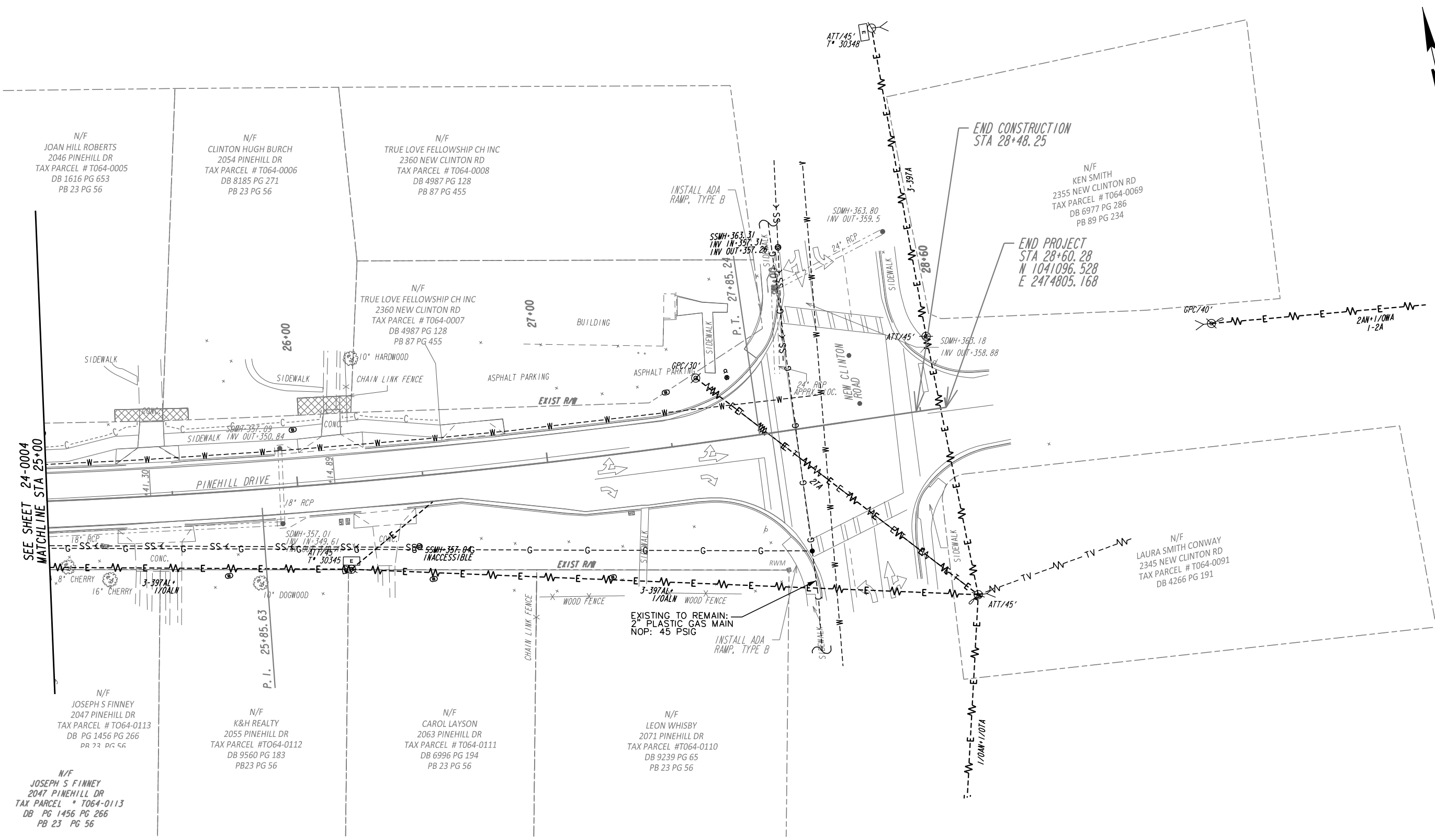
N/F
JOAN HILL ROBERTS
2046 PINEHILL DR
TAX PARCEL # T064-0005
DB 1616 PG 653
PB 23 PG 56

SEE SHEET 24-0003
MATCHLINE STA 20+00

MATCHLINE STA 25+00
SEE SHEET 24-0005



REVISION DATES		UTILITY PLANS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		DATE: 02/19/2019	JUNE 2020
		CHECKED: ADS	DRAWING No.
		BACKCHECKED: TKS	DATE: 06/04/2019
		CORRECTED: MRW	DATE: 06/04/2019
		VERIFIED: ADS	DATE: 06/05/2019
		24-0004	



SEE SHEET 24-0004
MATCHLINE STA 25+00

END CONSTRUCTION
STA 28+48.25

END PROJECT
STA 28+60.28
N 1041096.528
E 2474805.168

EXISTING TO REMAIN:
2" PLASTIC GAS MAIN
NOP: 45 PSIG

REVISION DATES

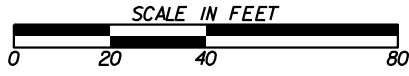
UTILITY PLANS

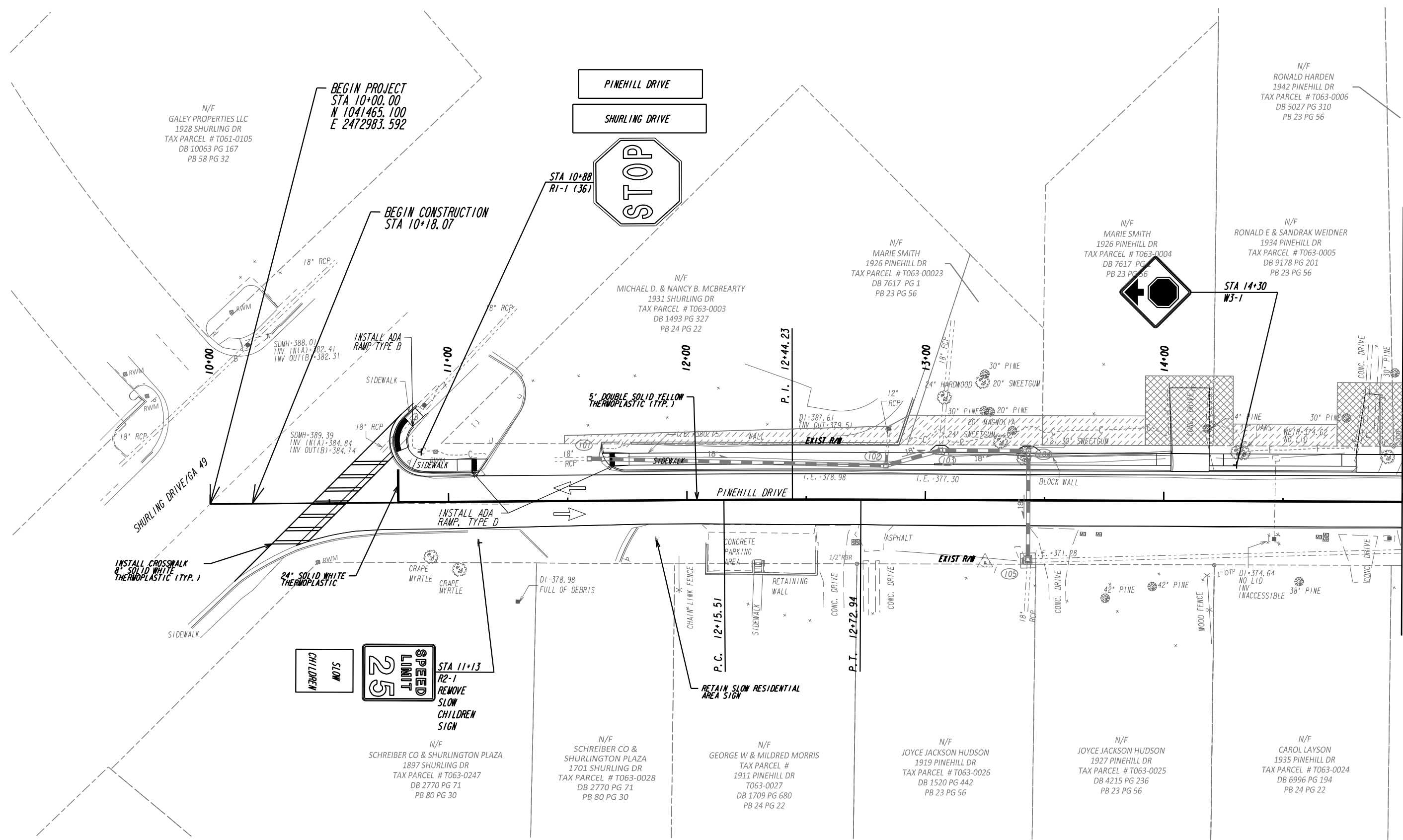
PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

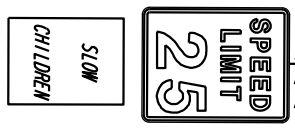
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BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.
24-0005





MATCHLINE STA 15+00 SEE SHEET 26-0002



STA 11+13
R2-1
REMOVE SLOW CHILDREN SIGN

N/F SCHREIBER CO & SHURLINGTON PLAZA
1897 SHURLING DR
TAX PARCEL # T063-0247
DB 2770 PG 71
PB 80 PG 30

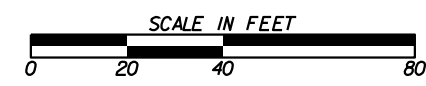
N/F SCHREIBER CO & SHURLINGTON PLAZA
1701 SHURLING DR
TAX PARCEL # T063-0028
DB 2770 PG 71
PB 80 PG 30

N/F GEORGE W & MILDRED MORRIS
TAX PARCEL # 1911 PINEHILL DR
T063-0027
DB 1709 PG 680
PB 24 PG 22

N/F JOYCE JACKSON HUDSON
1919 PINEHILL DR
TAX PARCEL # T063-0026
DB 1520 PG 442
PB 23 PG 56

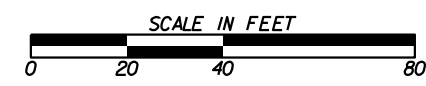
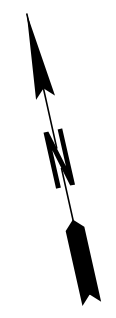
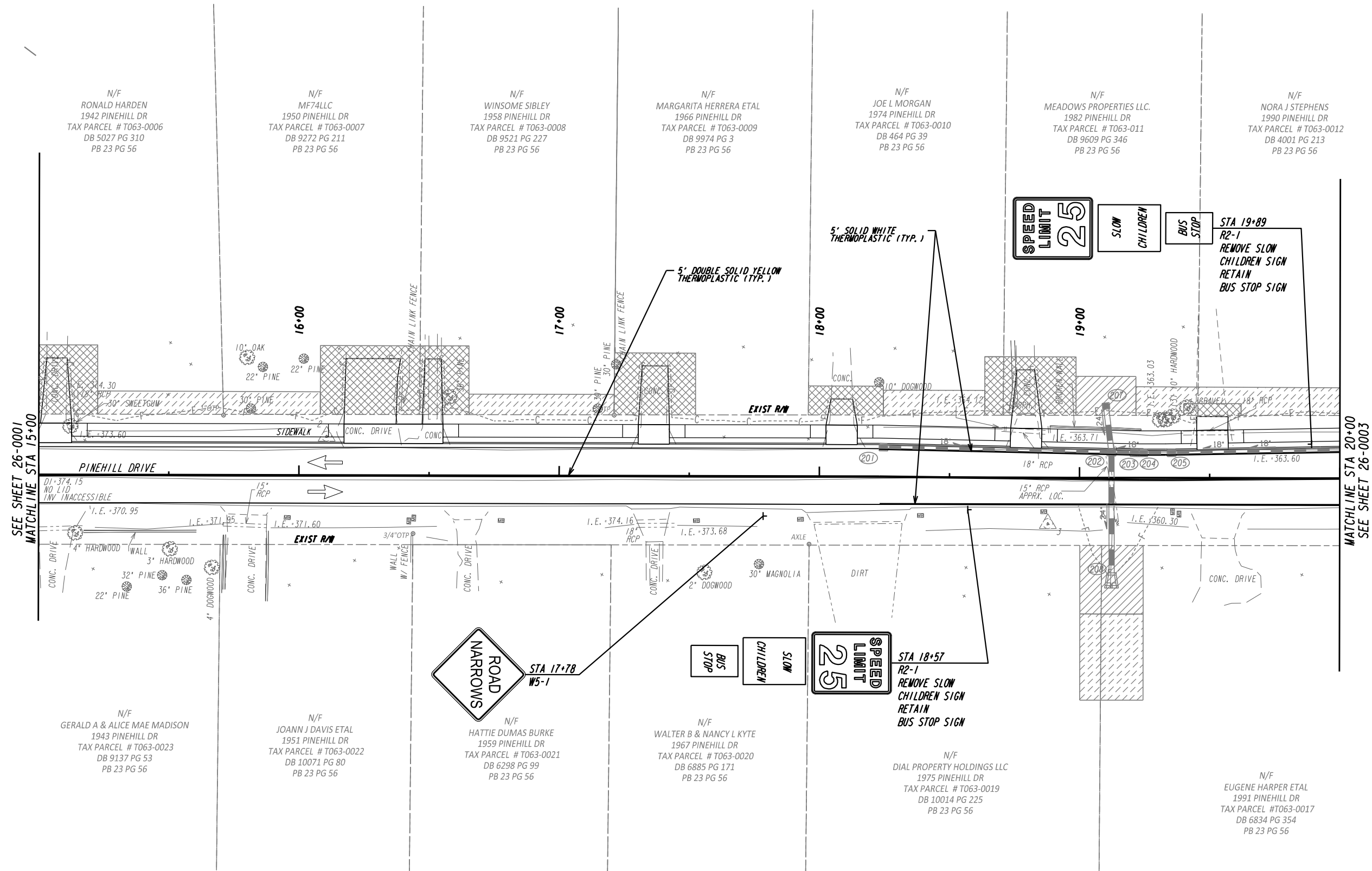
N/F JOYCE JACKSON HUDSON
1927 PINEHILL DR
TAX PARCEL # T063-0025
DB 4215 PG 236
PB 23 PG 56

N/F CAROL LAYSON
1935 PINEHILL DR
TAX PARCEL # T063-0024
DB 6996 PG 194
PB 24 PG 22



REVISION DATES

SIGNING AND MARKING PLANS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
			DRAWING No. 26-0001



REVISION DATES		SIGNING AND MARKING PLANS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
			JUNE 2020
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
DRAWING No.			26-0002

N/F
NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

N/F
GLADYS O ANTHONY
1998 PINEHILL DR
TAX PARCEL # T063-0013
DB 3092, PG 213
PB 23 PG 56

N/F
BAE PROPERTIES LLC
2006 PINEHILL DR
TAX PARCEL # T063-0014
DB 10153 PG 178
PB 22 PG 79

N/F
JR MCCOOK JR.
2014 PINEHILL DR
TAX PARCEL # T064-0001
DB 2299 PG 162
PB 23 PG 56

N/F
JEFF & PATRICIA ANNE JAMES
2022 PINEHILL DR
TAX PARCEL # T064-0002
DB 8135 PG 92
PB 23 PG 56

N/F
DELORES WEBB
2030 PINEHILL DR
TAX PARCEL # T0640003
DB 6506 PG 1
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2038 PINEHILL DR
TAX PARCEL # T064-0004
DB 1616 PG 653
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2046 PINEHILL DR
TAX PARCEL # T064-0005
DB 1616 PG 653
PB 23 PG 56

N/F
EUGENE HARPER ETAL
1991 PINEHILL DR
TAX PARCEL # T063-0017
DB 6834 PG 354
PB 23 PG 56

N/F
AMF RENTALS LLC
1999 PINEHILL DR
TAX PARCEL # T063-0016
DB 9628 PG 65
PB 23 PG 56

N/F
DMD PROPERTY HOLDINGS LLC
2007 PINEHILL DR
TAX PARCEL # T063-0015
DB 9714 PG 115
PB 23 PG 56

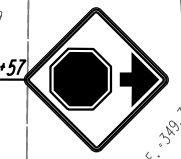
N/F
CHERYL CABINESS & ETAL
2015 PINEHILL DR
TAX PARCEL # T064-0117
DB 10045 PG 286
PB 23 PG 56

N/F
ANN WHITE
2023 PINEHILL DR
TAX PARCEL # T064-0116
DB 1437 PG 399
PB 23 PG 56

N/F
CORA N GOODLOW
2031 PINEHILL DR
TAX PARCEL # T064-0115
DB 4098 PG 203
PB 23 PG 56

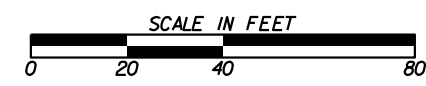
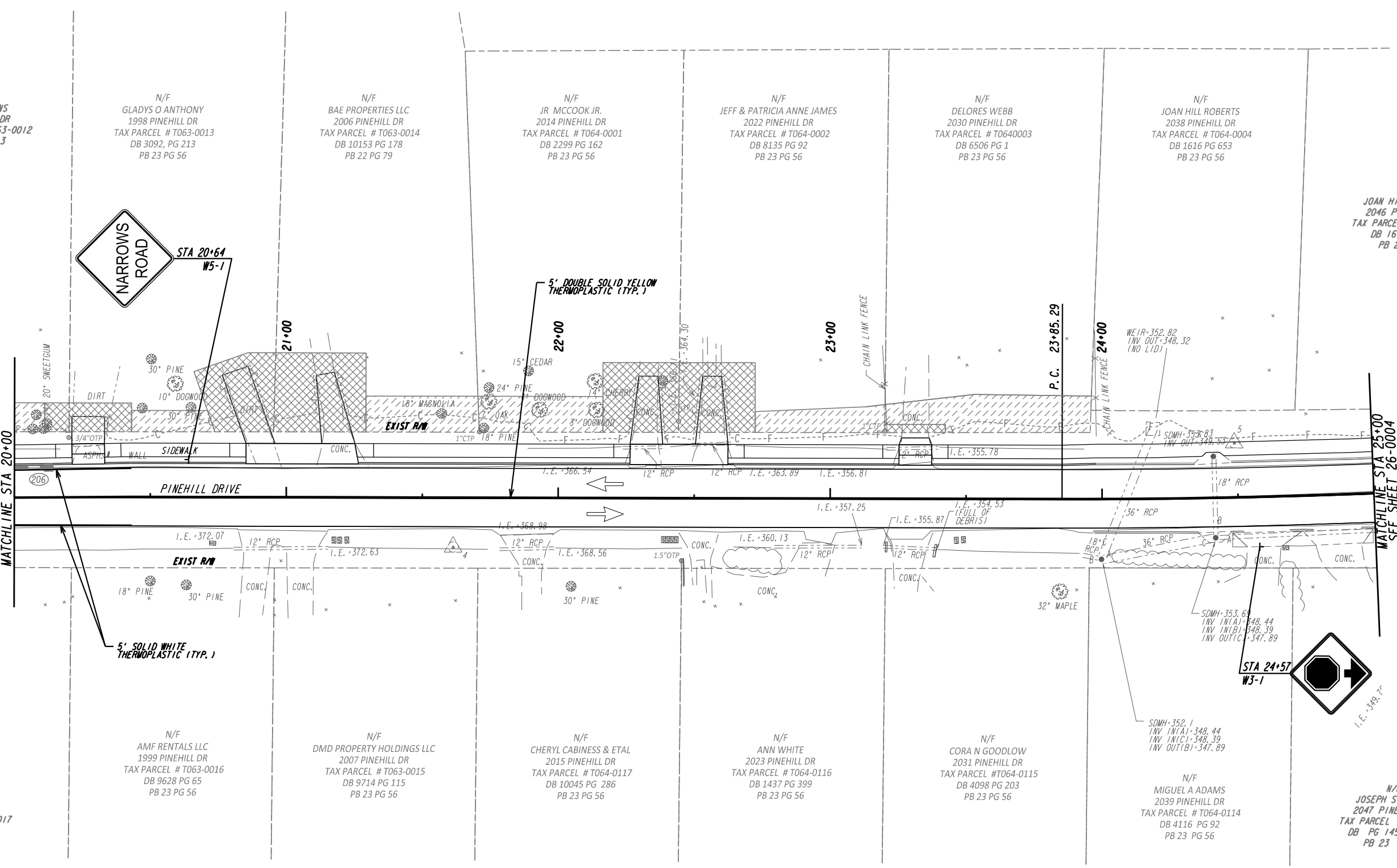
N/F
MIGUEL A ADAMS
2039 PINEHILL DR
TAX PARCEL # T064-0114
DB 4116 PG 92
PB 23 PG 56

N/F
JOSEPH S FINNEY
2047 PINEHILL DR
TAX PARCEL # T064-0113
DB PG 1456 PG 266
PB 23 PG 56



SEE SHEET 26-0002
MATCHLINE STA 20+00

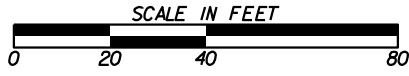
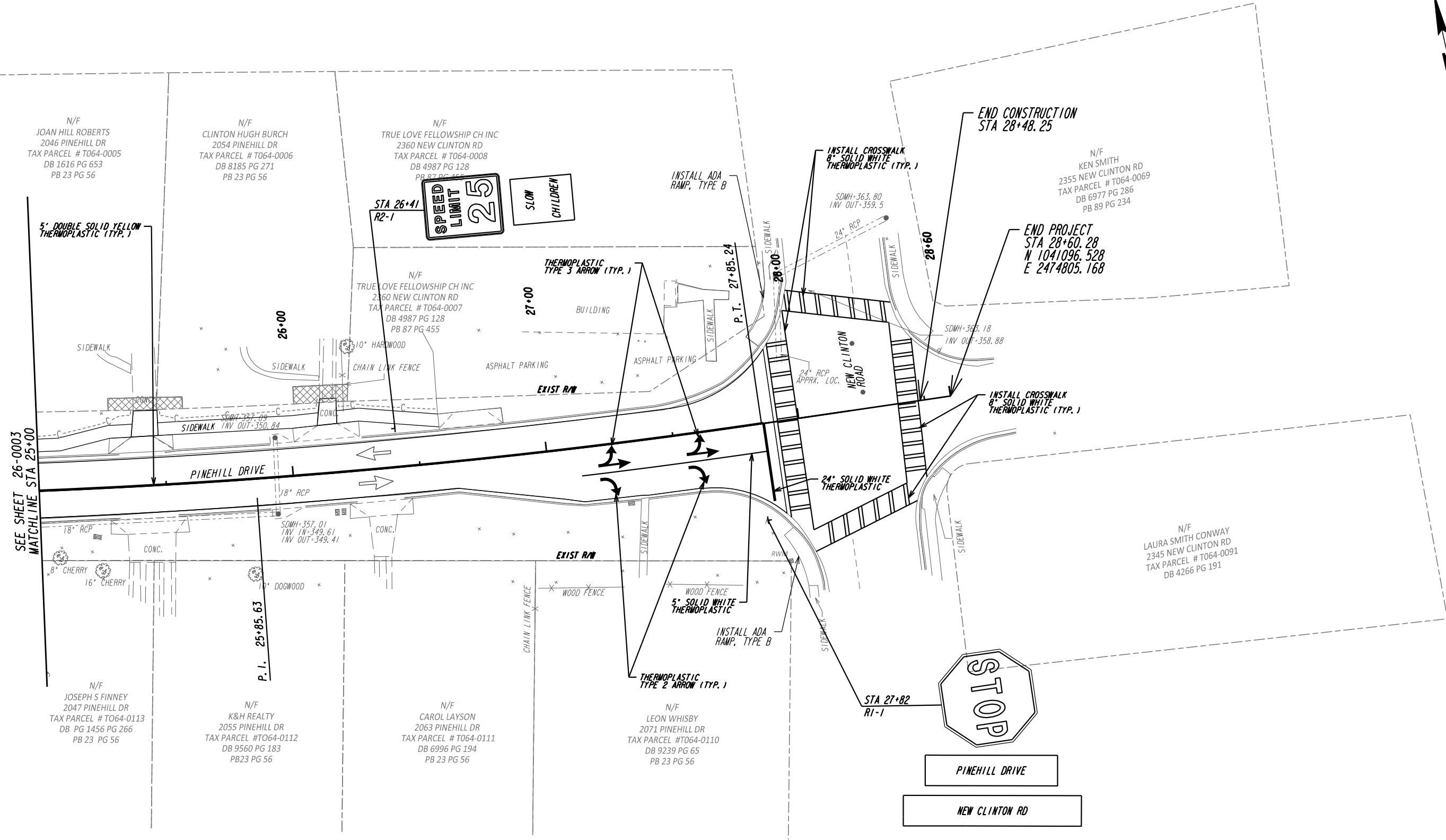
MATCHLINE STA 25+00
SEE SHEET 26-0004



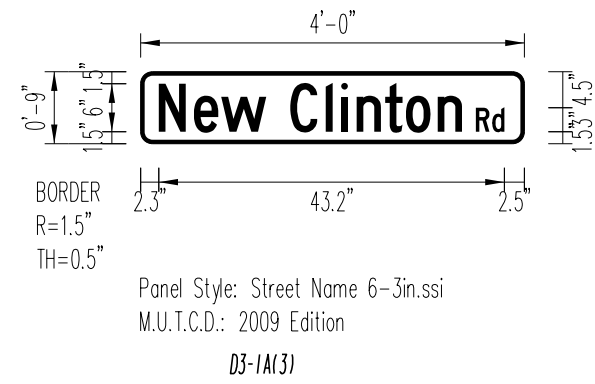
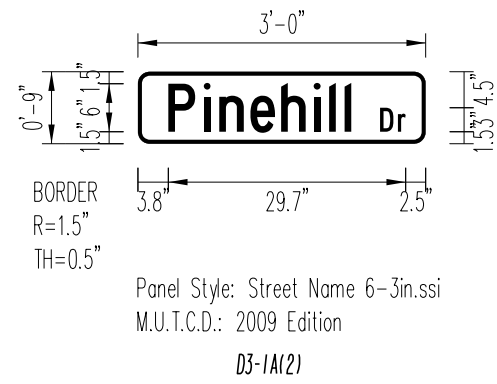
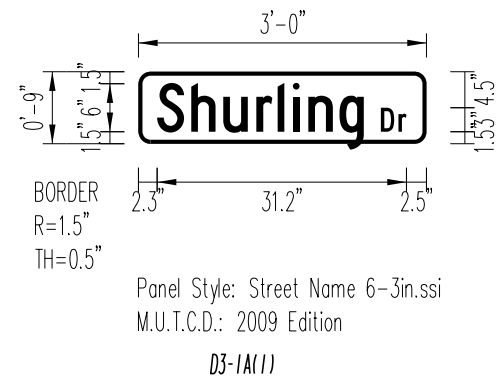
REVISION DATES

SIGNING AND MARKING PLANS

PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA				JUNE 2020
CHECKED:	TKS	DATE:	02/19/2019	DRAWING No.
BACKCHECKED:	TKS	DATE:	06/04/2019	26-0003
CORRECTED:	MRM	DATE:	06/04/2019	
VERIFIED:	ADS	DATE:	06/05/2019	



REVISION DATES		SIGNING AND MARKING PLANS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
			JUNE 2020
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRW	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
DRAWING No.			26-0004



REVISION DATES

NO.	DATE	DESCRIPTION

**SIGNING AND MARKING PLANS
SIGN DETAILS**

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

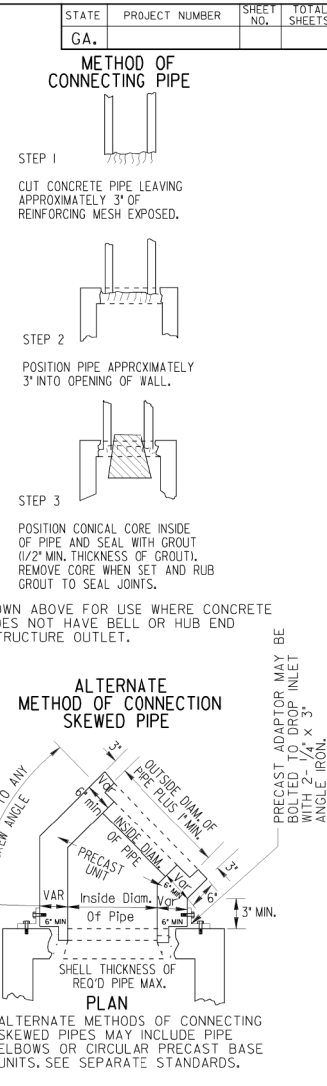
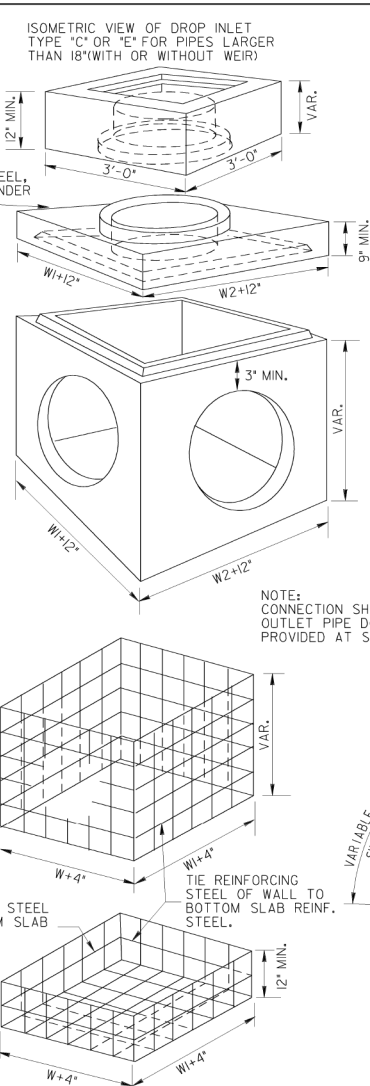
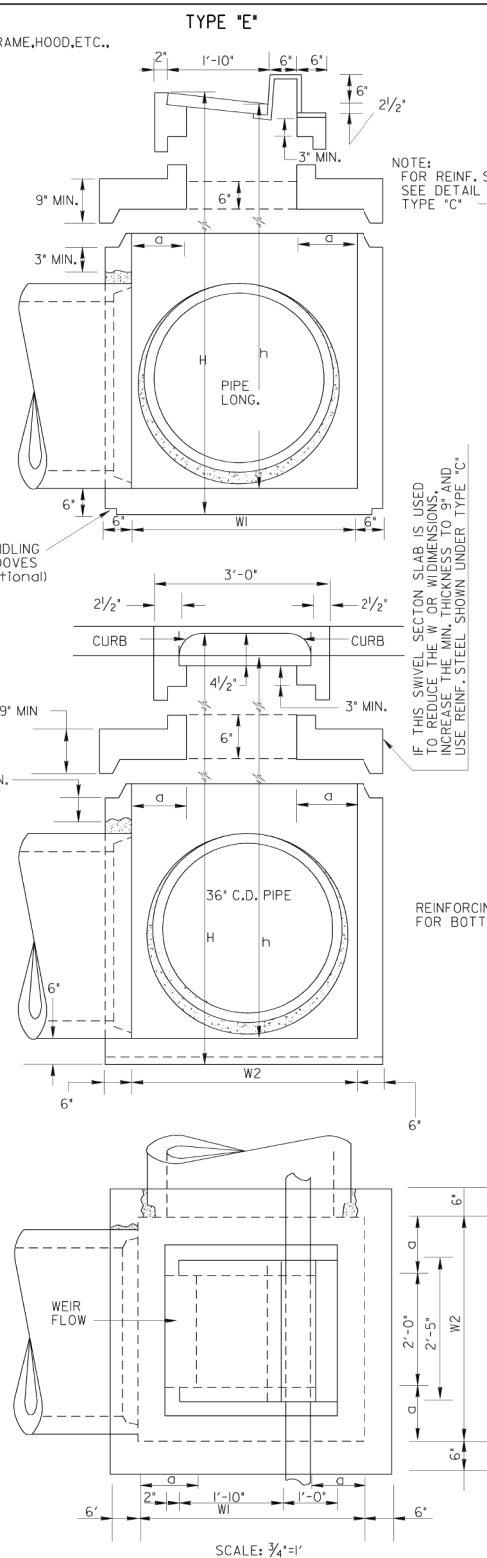
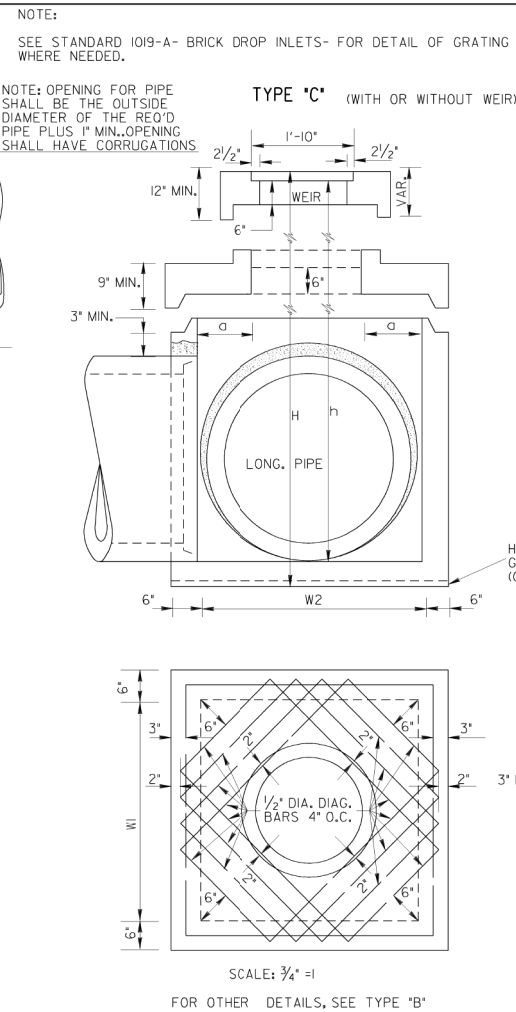
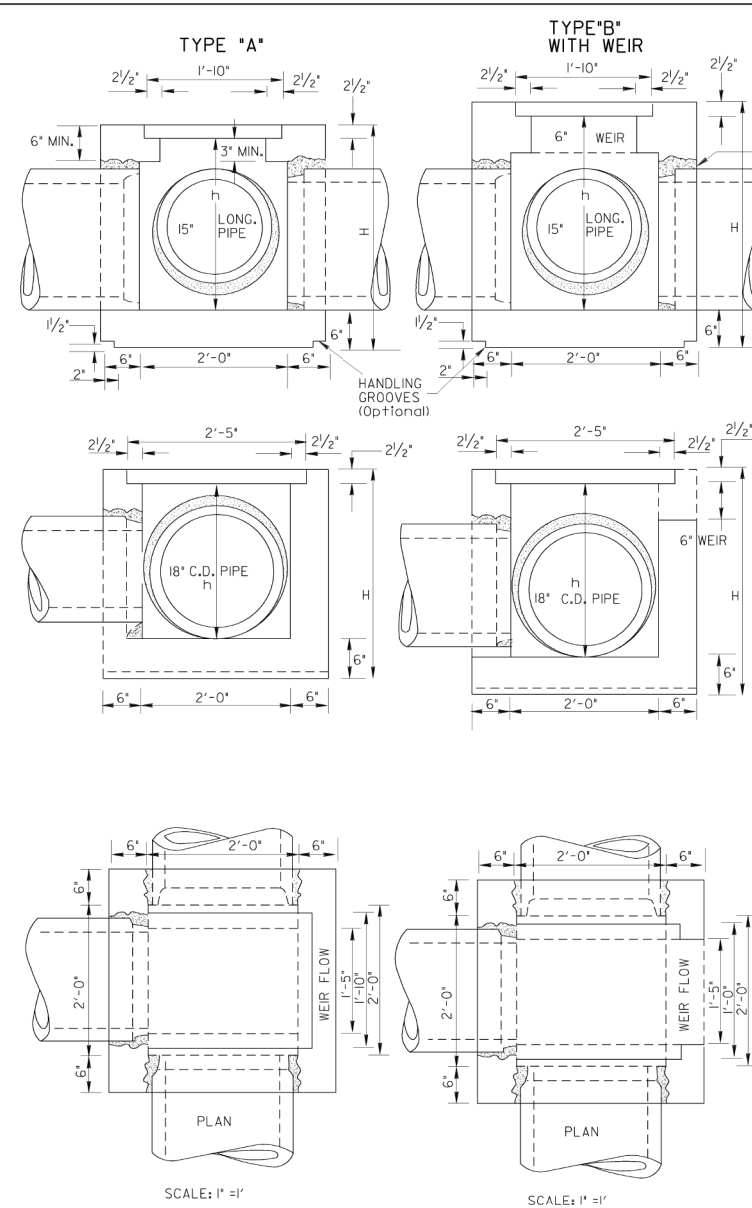
JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No.

26-0005

9/28/2006 9:28:29 AM \\G00T-DSR1\G0PLOT\DCV8\1171_output.dwg gowens W:\GARY\alphat to concrete\1019AP.drf 60-R06



PIPE SIZE	TYPE 'A'		TYPE 'B'		TYPE 'C'		TYPE 'E'	
	MIN. h	MIN. H	MIN. h	MIN. H	WiorW2	a	MIN. h	MIN. H
15"	2'-0"	2'-8 1/2"	2'-7"	3'-3 1/2"	2'-0"	2'-7"	3'-3 1/2"	2'-0"
18"	2'-3 1/2"	3'-0"	2'-10"	3'-6 1/2"	2'-0"	2'-10"	2'-10"	3'-6 1/2"
24"			3'-0"	0'-6"	4'-3 1/2"	5'-0"	3'-0"	0'-6"
30"			3'-6"	0'-9"	4'-0 1/2"	5'-7"	3'-6"	0'-9"
36"			4'-0"	1'-0"	5'-5 1/2"	6'-2"	4'-0"	1'-0"
42"			4'-6"	1'-3"	6'-1 1/2"	6'-8"	4'-6"	1'-3"
48"			5'-0"	1'-6"	6'-7 1/2"	7'-3"	5'-0"	1'-6"
54"			5'-6"	1'-9"	7'-2 1/2"	7'-10"	5'-6"	1'-9"
60"			6'-0"	2'-0"	7'-9 1/2"	8'-5"	6'-0"	2'-0"

NOTE: SEE STANDARD 1019A (BRICK) AND STANDARD 1040 FOR CONSTRUCTION ALTERNATES BRICK MASONRY AND CIRCULAR PRECAST SECTIONS RESPECTIVELY.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

**STANDARD
PRECAST DROP INLETS**

SCALE AS SHOWN AUG. 1999

DESIGNED: _____	(SUBMITTED) <i>Jessiah Kaul</i>	NUMBER 1019A PRECAST
DRAWN: _____	STATE ROAD & AIRPORT DESIGN ENGINEER	
TRACED: _____	(APPROVED) <i>Paul L. Pridemore</i>	
CHECKED: _____	CHIEF ENGINEER	



REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
CHECKED: ADS	DATE: 02/19/2019	JUNE 2020	
BACKCHECKED: TKS	DATE: 06/04/2019	DRAWING No.	
CORRECTED: WRM	DATE: 06/04/2019	40-0002	
VERIFIED: ADS	DATE: 06/05/2019		

J:\0500\171009023\171009023.dwg

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

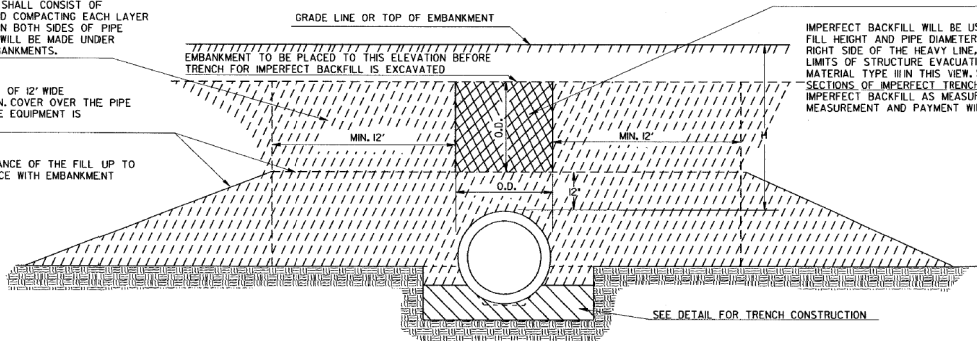
NORMAL BACKFILL

BACKFILL AS SHOWN BY THE BROKEN LINE SECTIONS, SHALL CONSIST OF PLACING COMPACTABLE SOIL IN 6" (LOOSE) LAYERS AND COMPACTING EACH LAYER (ACCORDING TO GEORGIA STANDARD SPECIFICATIONS) ON BOTH SIDES OF PIPE FOR ITS FULL LENGTH. MEASUREMENT AND PAYMENT WILL BE MADE UNDER ROADWAY EXCAVATION ITEMS FOR FORMATION OF EMBANKMENTS.

NORMAL EMBANKMENT SHALL BE PLACED A MINIMUM OF 12" WIDE ON EACH SIDE OF THE PIPE AND AT LEAST THE MIN. COVER OVER THE PIPE AND COMPACTED TO THE REQUIRED DENSITY BEFORE EQUIPMENT IS ALLOWED TO CROSS.

AFTER BACKFILL HAS BEEN COMPACTED, THE BALANCE OF THE FILL UP TO GRADE LINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS

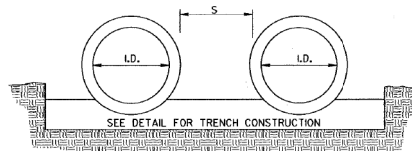
LONGITUDINAL SECTION OF IMPERFECT TRENCH BACKFILL AND BACKFILL METHODS



IMPERFECT BACKFILL

IMPERFECT BACKFILL WILL BE USED WITH CONCRETE PIPE IF FILL HEIGHT AND PIPE DIAMETER IN TABLE NO. 1 FALLS ON THE RIGHT SIDE OF THE HEAVY LINE. CROSS HATCHED AREA SHOWS LIMITS OF STRUCTURE EXCAVATION AND IMPERFECT BACKFILL MATERIAL TYPE III IN THIS VIEW. SEE DETAILS BELOW CROSS SECTIONS OF IMPERFECT TRENCH BACKFILL FOR LIMITS OF IMPERFECT BACKFILL AS MEASURED OVER THE PIPE LENGTHWISE. MEASUREMENT AND PAYMENT WILL BE CONFINED TO THESE LIMITS.

MULTIPLE PIPE CULVERT SPACING

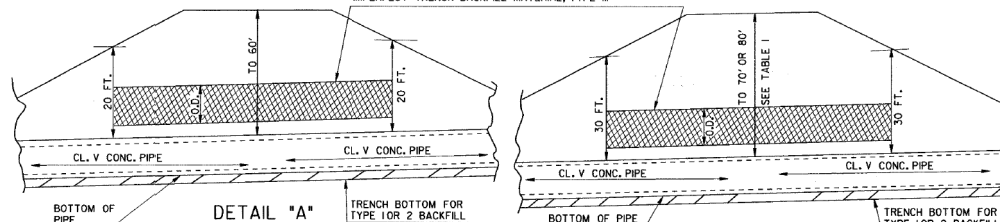


S=ONE INSIDE DIAMETER OF PIPE, OR 3 FEET, WHICHEVER IS SMALLER.
FOR PIPE ARCH CULVERTS, SUBSTITUTE SPAN FOR INSIDE DIAMETER.

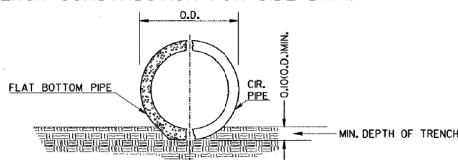
NOTE:
FOR MULTIPLE LINES OF C.M. PIPE WITH METAL FLARED END SECTIONS, S MAY BE INCREASED ENOUGH TO AVOID OVERLAP OF END SECTION WINGTIPS. LOCATION OF METAL END SECTION SHOULD BE DETERMINED BEFORE PLACEMENT OF PIPE.

CROSS SECTIONS OF IMPERFECT TRENCH BACKFILL

CROSS HATCHED AREAS SHOW LIMITS OF CONSTRUCTION & MEASUREMENT FOR STRUCTURE EXCAVATION & IMPERFECT TRENCH BACKFILL MATERIAL, TYPE III

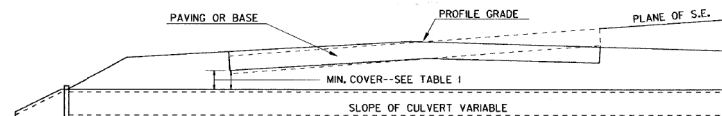


TRENCH CONSTRUCTION FOR SIDE DRAIN



NOTE: THE PIPE SHALL BE BEDDED TO LINE AND GRADE IN A FIRM FOUNDATION SHAPED TO FIT THE LOWER PART OF THE PIPE EXTERIOR. WHERE ROCK EXISTS, EXCAVATE AND BACKFILL WITH COMPRESSIBLE MATERIAL (UNCLASSIFIED EXCAVATION) A MINIMUM OF 6\"/>

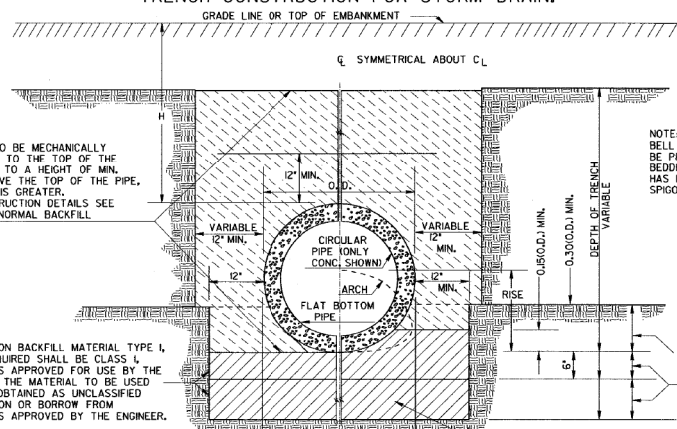
DETAIL SHOWING MINIMUM COVER FOR PIPE CULVERTS



NOTE:

- FOR FILL HEIGHT TABLES SEE SHEET 2 OF 3 AND SHEET 3 OF 3.
- ONLY ONE CLASS OR THICKNESS OF PIPE WILL BE SPECIFIED FOR EACH INDIVIDUAL LOCATION. THE CLASS OR THICKNESS WILL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL.

TRENCH CONSTRUCTION FOR STORM DRAIN



BACKFILL TO BE MECHANICALLY COMPACTED TO THE TOP OF THE TRENCH OR TO A HEIGHT OF MIN. COVER ABOVE THE TOP OF THE PIPE, WHICHEVER IS GREATER. FOR CONSTRUCTION DETAILS SEE NOTE FOR NORMAL BACKFILL

NOTE: BELL HOLES SHALL BE PROVIDED IN BEDDING IF PIPE HAS BELL AND SPIGOT JOINTS.

NOTE: TRENCH CONSTRUCTION IS REQUIRED FOR BOTH NORMAL OR IMPERFECT BACKFILL. ALL PIPES WITH BELL & SPIGOT JOINTS SHALL HAVE BELL HOLES IN BEDDING.

FOUNDATION BACKFILL MATERIAL TYPE I, WHEN REQUIRED SHALL BE CLASS I, OR SOILS APPROVED FOR USE BY THE ENGINEER. THE MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR BORROW FROM LOCATIONS APPROVED BY THE ENGINEER.

NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, EXCAVATE AN ADDITIONAL 6\"/>

NOTE: PIPE SHALL BE BEDDED IN A FOUNDATION SHAPED TO FIT THE LOWER PART OF PIPE EXTERIOR.

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		STANDARD CONCRETE & METAL PIPE CULVERTS SHEET 1 OF 3 (TRENCH CONSTRUCTION, BEDDING, BACKFILLING)	
NO SCALE		REV. & REDR.: SEPT., 2001	
DES.	(SUBMITTED)	James H. Beaulieu	NUMBER
DRW.	(APPROVED)	STAFF ROAD & AIRPORT DESIGN ENGR.	10300
TRA.		David L. Collette	
CHK.		CHIEF ENGINEER	

J:\0500\171009023\171009023.dwg



REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		CHECKED: ADS	DATE: 02/19/2019
		BACKCHECKED: TKS	DATE: 06/04/2019
		CORRECTED: MRW	DATE: 06/04/2019
		VERIFIED: ADS	DATE: 06/05/2019
		JUNE 2020	
		DRAWING No.	
		40-0003	

TABLE NO. 1 ROUND PIPE - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM

Table with columns for PIPE DIAMETER (INCHES), MINIMUM COVER (INCHES), TYPE, and HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE (1-10 to 72+). Rows list materials like CONCRETE, STEEL, ALUM, and CORRUGATED ALUMINUM with corresponding cover values.

TABLE NO. 2 - INFORMATION ONLY COR. METAL THICKNESS EQUIVALENT GAGE. Table with columns for COR. METAL THICKNESS EQUIVALENT GAGE and rows for STEEL and ALUMINUM.

FOR CONDITIONS TO THE RIGHT OF THE HEAVY LINE, CLASS V CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO DETAIL "A" OR "B" ON SHEET 1 OF 3.

STEEL 1 OR ALUM 1 DENOTES CORRUGATION PROFILE 2 2/3" X 1/2" STEEL 2 OR ALUM 2 DENOTES CORRUGATION PROFILE 3" X 1" (OR 5" X 1" FOR STEEL PIPE ONLY) ALL STEEL AND ALUMINUM PIPE SHALL BE LOCK-SEAM OR WELDED-SEAM (HELICAL) CONSTRUCTION. MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF HEAVY LINE. SEE SHEET 1 OF 3. FOR CONDITIONS TO RIGHT OF HEAVY LINE, CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO SPECIFICATIONS AND THIS STANDARD.

TABLE VALUES FOR ALUMINUM CORRUGATED PIPE (OR ALUMINUM SPIRAL RIB PIPE) ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, Fy=24,000 PSI. IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (Fy=20,000 PSI), THE TABLE NO. 1 ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:

- A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)
B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET)

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD CONCRETE & METAL PIPE CULVERTS SHEET 2 OF 3 (FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE) NO SCALE OCTOBER 21, 1998

REVISION DATES table with columns for DATE and REVISION.

CONSTRUCTION PLAN PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA JUNE 2020. Includes CHECKED, BACKCHECKED, CORRECTED, VERIFIED, DATE, and DRAWING No. 40-0004.



TABLE NO. 1R ROUND PIPE - SPIRAL RIB STEEL - SPIRAL RIB ALUMINUM
MINIMUM THICKNESS OF STEEL AND ALUMINUM
HEIGHT OF FILL (FEET) ABOVE TOP OF PIPE

PIPE DIAMETER (INCHES)	MINIMUM COVER (INCHES)	TYPE	HEIGHT OF FILL (FEET) ABOVE TOP OF PIPE																					
			1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-50	50-60	60-70	70-80	80-90										
12																								
15																								
18	12	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.079	.079	.079	
24	12	STEEL R	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.064	.064	.064	.064	.064
24	12	ALUM R	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.079	.079	.079	.079	.079
30	12	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
30	15	ALUM R	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.064	.064	.064	.064	.064
36	12	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
36	18	ALUM R	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.064	.064	.064	.064	.064
42	12	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
42	21	ALUM R	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.075	.079	.079	.079	.079	.079
48	12	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
48	24	ALUM R	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.109	.109	.109	.109	.109
54	15	STEEL R	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064
54	24	ALUM R	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.109	.109	.109	.109	.109
60	15	STEEL R	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079
60	24	ALUM R	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.105	.109	.109	.109	.109	.109
66	18	STEEL R	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079	.079
66	24	ALUM R	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	
72	18	STEEL R	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109
72	27	ALUM R	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	.135	
78	21	STEEL R	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109
84	21	STEEL R	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109	.109
90																								
96																								
102																								
108																								
114																								
120																								

R DENOTES SPIRAL RIB PROFILE 3/4" X 3/4" X 7-1/2"

TABLE VALUES FOR ALUMINUM SPIRAL RIB PIPE ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, $f_y=24,000$ PSI. IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 ($f_y=20,000$ PSI), ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:
 A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 IN. BECOMES 13.8 IN.)
 B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FT. BECOMES 29.7-34.0 FT.)

MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
 TRENCH CONSTRUCTION IS REQUIRED FOR ALL INSTALLATIONS.

TABLE NO. 2 (PIPE-ARCH)
 TABLE SHOWING MINIMUM THICKNESS IN INCHES OF CORRUGATED STEEL AND CORRUGATED ALUMINUM PIPE ARCH AND MAXIMUM HEIGHTS OF FILL IN FEET

DIAMETER OF PIPE OR EQUAL PER. ARCH (INCHES)	SPAN (INCHES)	MIN. MIN. INCH	MIN. THICKNESS (INCHES)		MAX. HT. (FEET)
			COR. STEEL	ALUMINUM	
15	17	13	.064	.060	13
18	21	15	.064	.060	15
21	24	18	.064	.060	18
24	28	20	.064	.060	20
30	35	24	.064	.060	24
36	42	29	.064	.060	29
42	49	33	.079	.075	33
48	57	38	.079	.075	38
54	64	43	.079	.075	43
60	71	47	.079	.075	47
66	77	51	.079	.075	51
72	83	55	.079	.075	55
78	89	59	.079	.075	59
84	95	63	.079	.075	63
90	103	67	.079	.075	67

NOTE FOR TABLE NO. 2. ALTERNATE SPAN-RISE COMBINATIONS FOR PIPE-ARCHES HAVING A MAXIMUM HEIGHT OF FILL IN FEET LISTED IN TABLE NO. 2 MAY BE SUBSTITUTED IF LISTED IN AASHTO SPECIFICATION.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

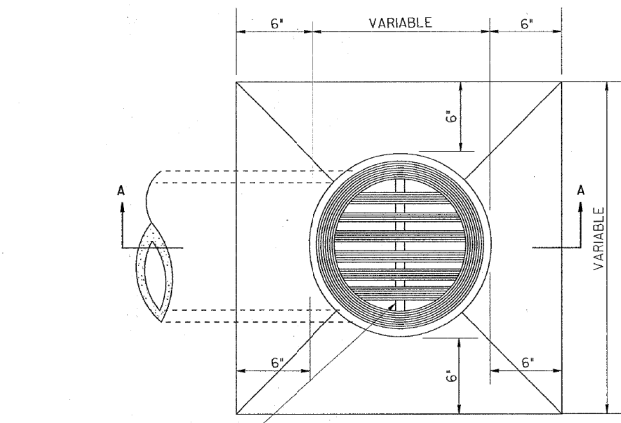
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
STANDARD CONCRETE & METAL PIPE CULVERTS SHEET 3 OF 3 (FILL HEIGHTS FOR SPIRAL RIB METAL PIPE & FOR PIPE ARCH)	
NO SCALE	SEPT., 2001
DESIGNED (SUBMITTED) <i>James H. Kennel</i>	NUMBER
CHECKED (STATE ROAD DESIGN ENGINEER) <i>Robert L. Fabbry</i>	1030D
REVISOR (APPROVED) <i>Robert L. Fabbry</i>	CHEF ENGINEER

REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		JUNE 2020	
CHECKED: ADS	DATE: 02/19/2019	DRAWING No.	
BACKCHECKED: TKS	DATE: 06/04/2019		
CORRECTED: WRM	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019	40-0005	



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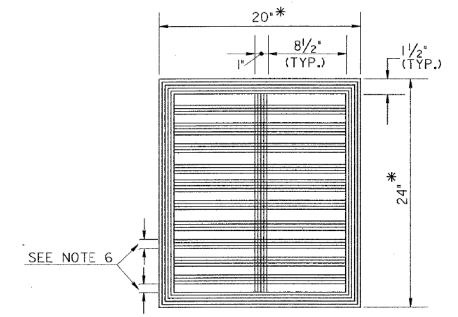
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



CROSS MEMBER(S) FOR 'D' OVER 8" (SEE NOTE 6)

PLAN

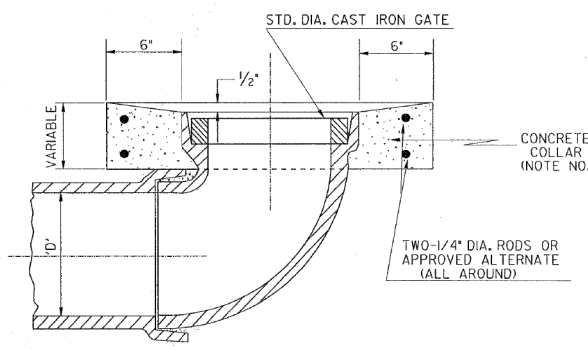
*D' = INSIDE DIAMETER OF PIPE;
6" TO 12" TYPICAL, 24" MAX.



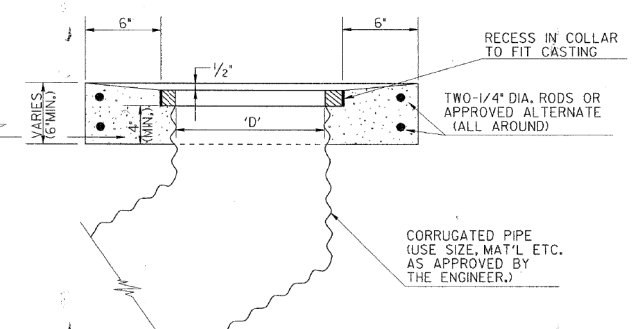
GRATE DETAIL

* THE ENGINEER MAY APPROVE REDUCED GRATE & BOX DIMENSIONS FOR THE SMALLER DRAIN PIPES.

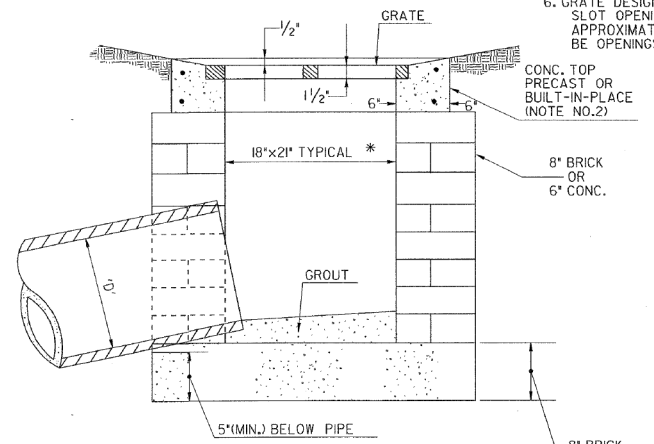
- GENERAL NOTES:**
- SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.
 - CONCRETE COLLARS AND CONCRETE TOP MAY BE EITHER BUILT-IN PLACE CLASS 'B' CONCRETE OR PRECAST CLASS 'A' CONCRETE.
 - PIPES FROM DRAIN INLET SHALL BE OF THE STRENGTH, SIZE, AND MATERIAL APPROVED BY THE ENGINEER; WHERE ELBOWS ARE USED, THE BEND SHALL BE AS SPECIFIED. CONCRETE PIPE MAY BE CLASS II OR CLASS III, UNLESS OTHERWISE SPECIFIED. CORRUGATED PIPE OR OTHER ALTERNATIVES MAY BE APPROVED BY THE ENGINEER.
 - MINIMUM THICKNESS OF CAST IRON GRATES SHALL BE AS FOLLOWS:
 a) 0.5" THK. FOR PIPE ELBOWS 12' OR LESS;
 b) 1.0" THK. FOR PIPE ELBOWS OF 15';
 c) 1.5" THK. FOR 18" OR 24" PIPE ELBOW;
 -OR- BOX TYPE ALTERNATE.
 - PAYMENT FOR DRAIN INLET PER EACH INCLUDES GRATE, CONCRETE COLLAR OR TOP, AND ELBOW OR BOX ALTERNATE. THE PIPE FROM THE ELBOW OR BOX TO MAINLINE CONNECTION SHALL BE PAID FOR AS LIN. FT. OF SIDE DRAIN PIPE. HOWEVER, THE PIPE MATERIAL MAY VARY FROM OTHER SIDE DRAIN ON PROJECT AS APPROVED BY THE ENGINEER. COSTS FOR ALL CONNECTIONS SHALL BE INCLUDED IN THE PAYMENT FOR THE PIPE.
 - GRATE DESIGNS SHOWN ARE TYPICAL. MAXIMUM SLOT OPENINGS SHALL BE 8 1/2" LONG, 1" WIDE. APPROXIMATELY 50% OF GRATE AREA SHALL BE OPENINGS.



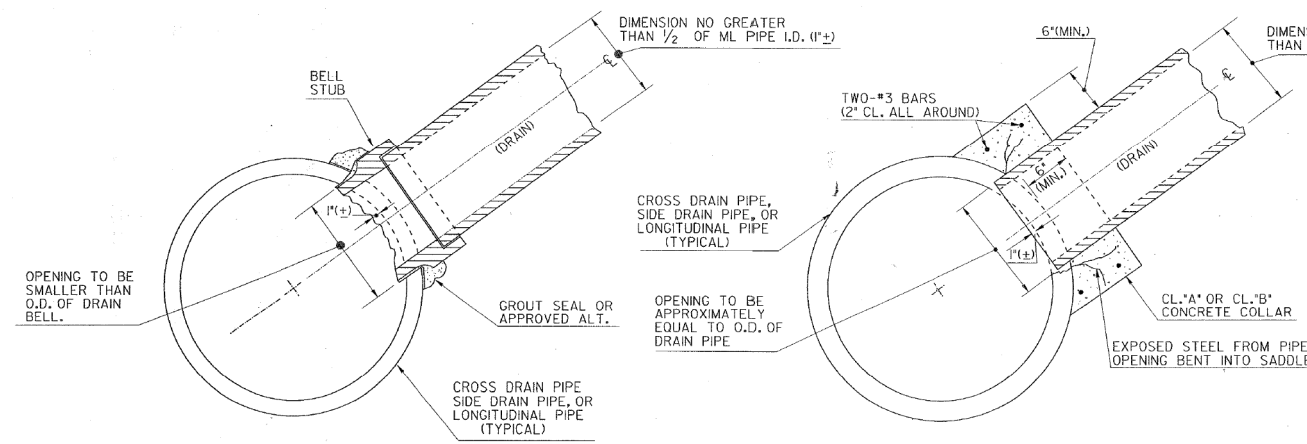
SECTION A-A
(STANDARD ELBOW TYPE)



ALTERNATE SECTION A-A
(WHERE APPROVED)



BOX TYPE ALTERNATE



SECTIONAL VIEWS SHOWING TYPICAL ALTERNATE DRAIN CONNECTIONS

- NOTES FOR CONNECTIONS:**
- AN OPENING IN THE MAINLINE PIPE FOR A CONNECTION SHALL BE NO CLOSER THAN ONE (1) FOOT TO THE NEAREST JOINT IN THE MAINLINE PIPE.
 - OTHER ALTERNATE CONNECTIONS MAY INCLUDE PRE-FABRICATED 'WYE' OR 'TEE' SECTIONS OR BY A CONNECTION TO ANOTHER DRAINAGE STRUCTURE.
 - COSTS FOR ALL MATERIALS AND LABOR FOR CONNECTIONS OF ANY KIND ARE INCLUDED WITH PAYMENT FOR THE PIPE OR FOR THE INLET.

SPECIAL NOTE:
THE INLETS SHOWN ON THIS STANDARD ARE NOT TO BE USED IN TRAVELWAY.

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		STANDARD DRAIN INLET (ELBOW TYPE AND ALTERNATES) FOR YARD DRAINS	
NO SCALE		REV. & REDRN.: NOV., 1999	
BY	REV. (SUBMITTED)	STATE ROAD & AIRPORT DESIGN ENGR.	NUMBER 1035
CHK.	(APPROVED)	CHIEF ENGINEER	

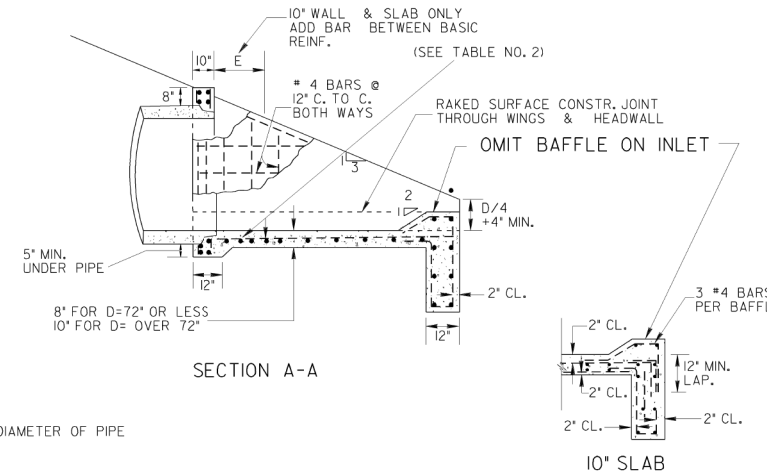
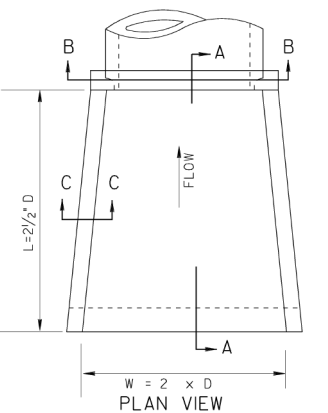
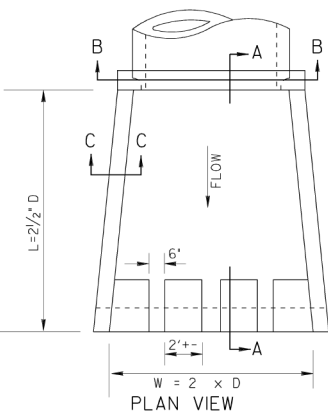
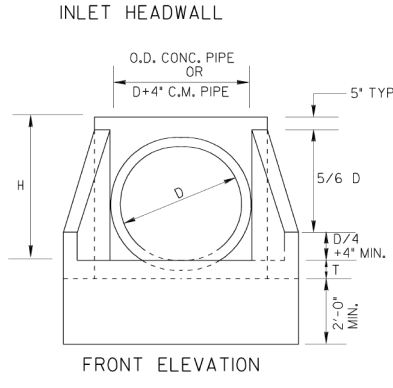
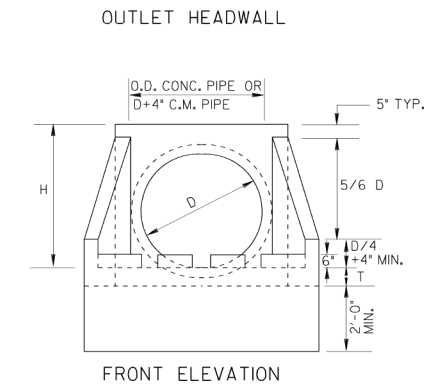
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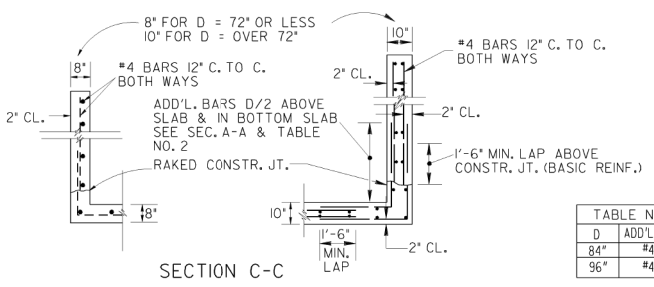
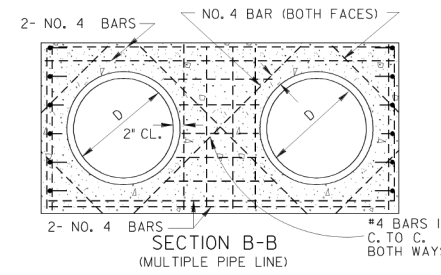
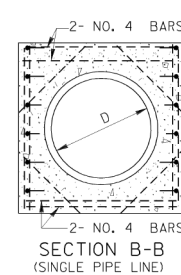
REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		CHECKED: ADS	DATE: 02/19/2019
		BACKCHECKED: TKS	DATE: 06/04/2019
		CORRECTED: WRW	DATE: 06/04/2019
		VERIFIED: ADS	DATE: 06/05/2019
		DRAWING No. 40-0006	
		JUNE 2020	

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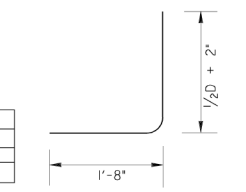
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CA.			



D = INSIDE DIAMETER OF PIPE



D	ADD'L. BAR	E
84"	#4	5'
96"	#4	8'



D	CU. YDS. CONCRETE (PAY QUANTITIES)				LBS. STEEL (GIVEN FOR INFORMATION ONLY)			
	FOR SINGLE LINE		ADD FOR ADD'L LINE		FOR SINGLE LINE		ADD FOR EACH ADD'L LINE	
15"	0.87	0.93	0.60	0.66	102	113	73	83
18"	1.10	1.16	0.85	0.93	106	117	93	104
24"	1.61	1.69	1.29	1.37	127	138	124	134
30"	2.21	2.32	1.83	1.96	170	180	154	164
36"	2.92	3.05	2.49	2.63	238	254	196	212
42"	3.73	3.87	3.00	3.17	290	306	231	247
48"	4.62	4.80	3.58	3.74	335	351	265	281
54"	5.63	5.83	4.17	4.38	407	428	319	340
60"	6.72	6.95	4.82	5.01	456	477	360	391
72"	9.22	9.48	6.24	6.46	623	649	475	494
84"	14.84	15.19	9.05	9.29	1517	1539	1017	1044
96"	18.88	19.27	11.3	11.41	218	250	1323	1350

*NOTE: QUANTITIES SHOWN WILL BE ACTUAL PAY QUANTITIES FOR CLASS "A" CONCRETE, INCLUDING REINFORCED STEEL. NO ADJUSTMENT WILL BE MADE FOR AS BUILT QUANTITIES.

D - INSIDE DIAMETER OF PIPE CULVERT

H = D + 10' MIN. FOR C.M. PIPE
H = D + PIPE WALL THICKNESS + 8" FOR CONC. PIPE (3/12 D + 9' TYP.)

T = 8" FOR D = 72" OR LESS
T = 10" FOR D = OVER 72"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
TAPERED
INLET HEADWALL - OUTLET HEADWALL
(BUILT-IN-PLACE)

NO SCALE
DES. (SUBMITTED) *James K. Smith*
DRW. STATE ROAD & AIRPORT DESIGN ENGR.
TRA. (APPROVED) *Tom L. Smith*
CHK. CHIEF ENGINEER

REV. & REDR. OCT., 1999
NUMBER
1125

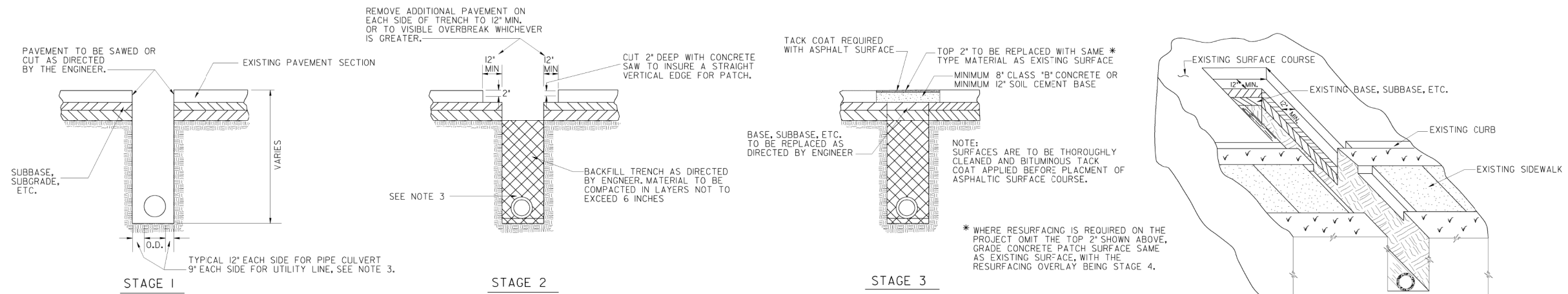


REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		CHECKED: ADS	DATE: 02/19/2019
		BACKCHECKED: TKS	DATE: 06/04/2019
		CORRECTED: WRW	DATE: 06/04/2019
		VERIFIED: ADS	DATE: 06/05/2019
		JUNE 2020	
		DRAWING No. 40-0007	

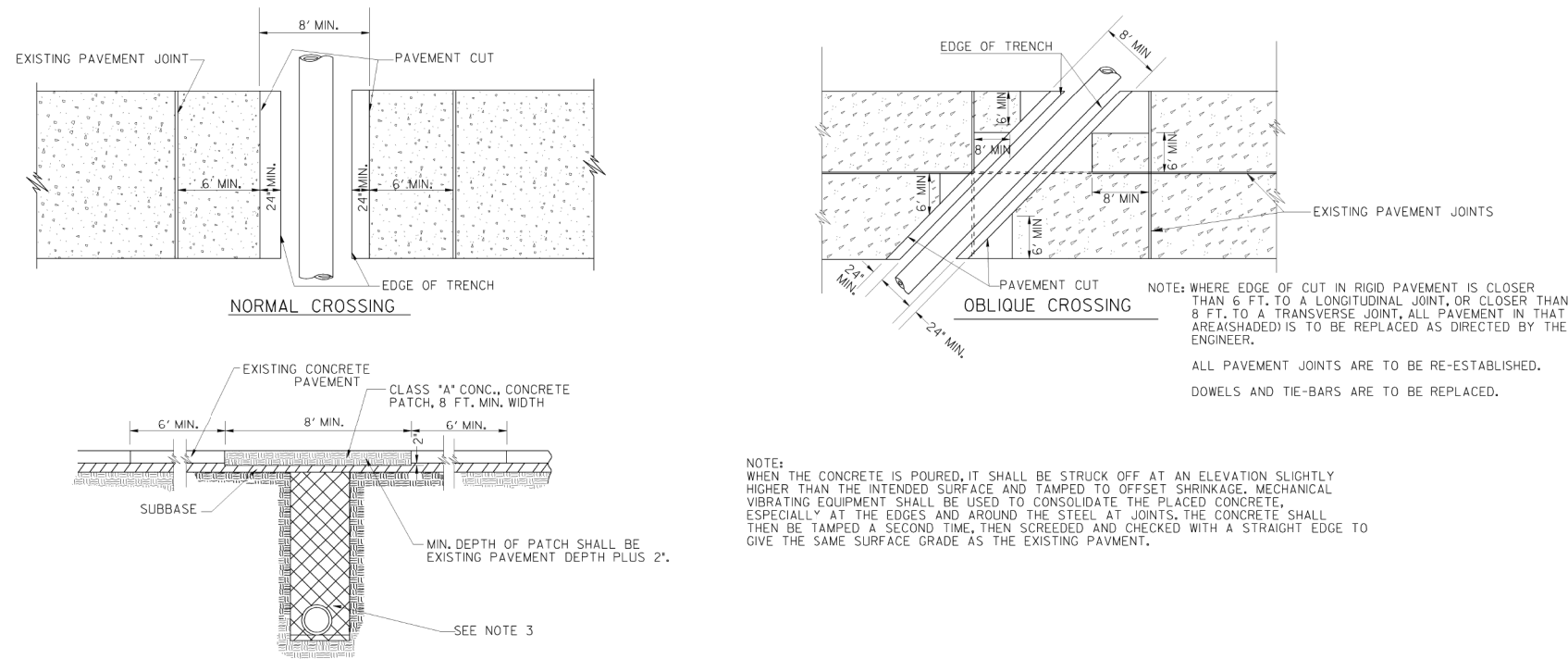
Z:\6\2024\2123\51_PLM\GDOT\DSN\GO\LOT\OCF\GO_TIFF_OUTPUT\OCF_GOWENS_M\GARY\ENGLISH_STANDARDS_UPDATED_AND_UPDATED_INDEX\1401.PRF_G0-R06

STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT - GENERAL

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



STORM DRAIN AND UTILITY INSTALLATION BY OPEN CUT ACROSS P.C. CONCRETE PAVING



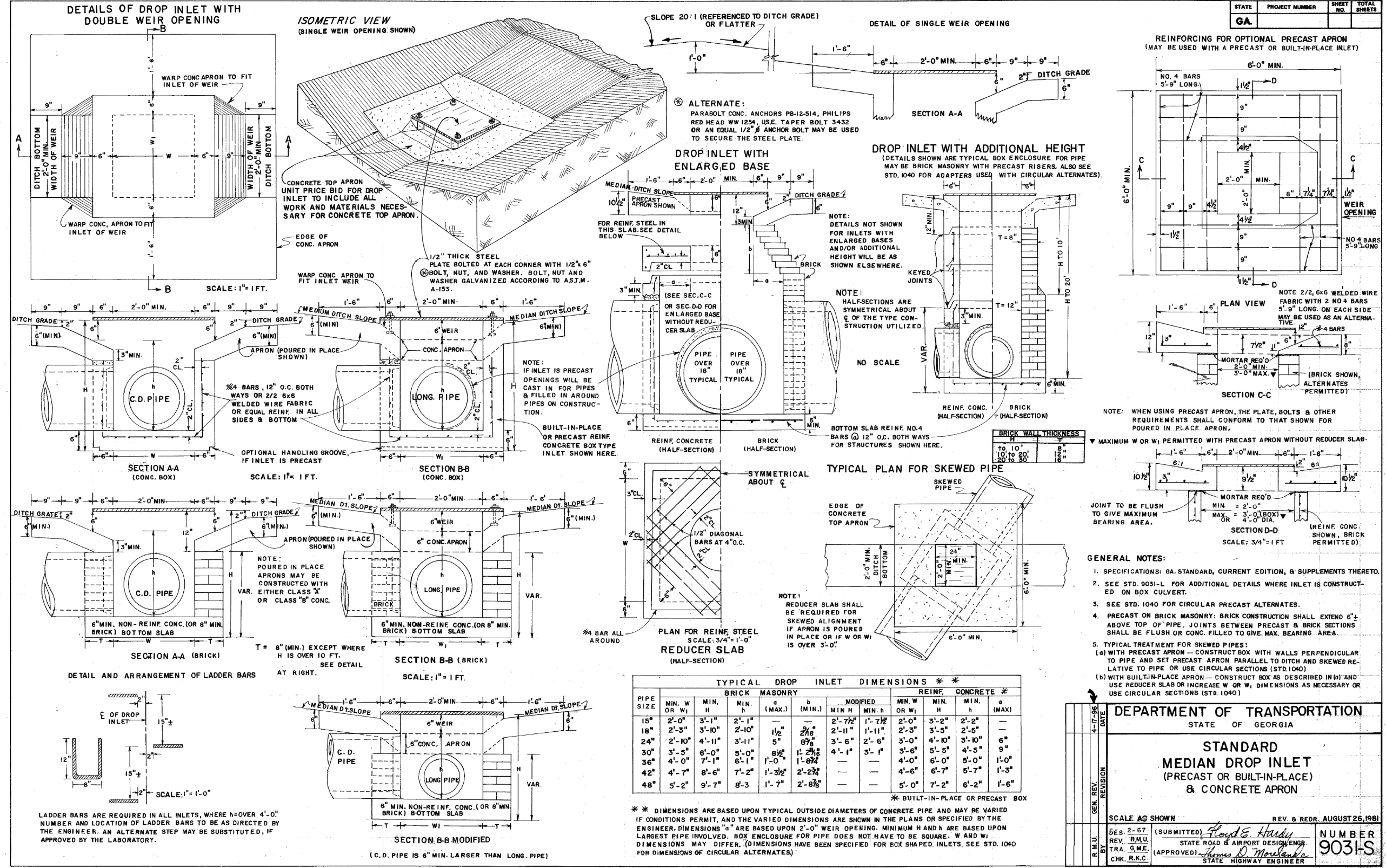
- GENERAL NOTES:
- SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
 - (a) OTHER PAVEMENT REPLACEMENT MATERIALS, SUCH AS HIGH EARLY STRENGTH CONCRETE, MAY BE SUBSTITUTED FOR MATERIALS SHOWN WHEN CALLED FOR IN THE PLANS OR BY THE ENGINEER.
(b) PAYMENT FOR PIPE CULVERT OR UTILITY SHALL INCLUDE SAWING AND/OR CUTTING AND REMOVING EXISTING PAVEMENT AND REPLACING THE PAVEMENT AS SPECIFIED. PAYMENT FOR PIPE OR UTILITY INCLUDES THIS PAVEMENT REPLACEMENT MATERIAL, REGARDLESS OF WHERE MATERIALS SHOWN ARE USED OR WHERE OTHER MATERIALS SUCH AS HIGH EARLY STRENGTH CONCRETE ARE USED.
(c) PAYMENT FOR PIPE CULVERT OR UTILITY INSTALLATION SHALL INCLUDE REPLACING IN KIND ANY PORTIONS OF SIDEWALK, CURB, CURB & GUTTER, MEDIAN PAVING, DRIVEWAYS, ETC., WHICH ARE DISTURBED DUE TO THE INSTALLATION.
 - TRENCH DETAIL SHOWN IS GENERAL, SEE STANDARD I030D FOR DETAILS REQUIRED FOR PIPE CULVERT INSTALLATIONS. SEE THE UTILITIES MANUAL FOR UTILITY INSTALLATION REQUIREMENTS.
 - AFTER REMOVING EXISTING PAVEMENT, THE SUBBASE AND VERTICAL FACE OF EXISTING PAVING SHALL BE DAMPED (BUT NOT WET), ADDITIONALLY, THE VERTICAL FACE OF THE EXISTING PAVEMENT SHALL BE PAINTED WITH A SOLUTION OF PORTLAND CEMENT AND WATER MIXED TO THE CONSISTENCY OF HEAVY PAINT. THE CONCRETE MIX SHALL THEN BE POURED BEFORE THIS SURFACE DRIES OUT. AFTER CONCRETE IS POURED, IT SHALL BE WORKED INTO ALL CORNERS AND INTO ALL ROUGH SURFACES OF THE EXISTING PAVEMENT.
 - WHERE PIPE IS REMOVED, BUT NOT REPLACED, PAYMENT FOR PIPE REMOVAL INCLUDES ALL ITEMS DESCRIBED IN GENERAL NOTE 2., WITH ALL OTHER NOTES AND DETAILS ALSO BEING APPLICABLE.

NOTE: THIS STANDARD IS FOR USE WHERE PERMANENT PAVEMENT PATCHING IS REQUIRED. TEMPORARY PATCHING, IF REQUIRED, SHALL BE ACCORDING TO OTHER DETAILS, SPECIFICATIONS, AND/OR AS DIRECTED BY THE ENGINEER.

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION	STANDARD	
BY	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT)	
NO SCALE	REV. & REDR., AUG. 1999	NUMBER 1401
REV. (SUBMITTED)	<i>James K. Kaul</i> STATE ROAD & AIRPORT DESIGN ENGR.	
TRA. (APPROVED)	<i>Paul L. Roberts</i> CHIEF ENGINEER	



REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		JUNE 2020	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		DRAWING No. 40-0008	



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

HEIGHT	THICKNESS
TO 10'	8"
10 TO 20'	12"
20 TO 30'	16"

PIPE SIZE	BRICK MASONRY				REINF. CONCRETE			
	MIN. W OR W _i	MIN. H	MIN. a (MAX.)	MIN. b (MIN.)	MIN. W OR W _i	MIN. H	MIN. a (MAX.)	MIN. b (MIN.)
18"	2'-0"	3'-1"	2'-1"	1 1/2"	2'-7 1/2"	1'-7 1/2"	2'-0"	3'-2"
18"	2'-3"	3'-10"	2'-10"	1 1/2"	2'-11"	1'-11"	2'-3"	3'-5"
24"	2'-10"	4'-11"	3'-11"	5"	3'-6"	2'-6"	3'-0"	4'-10"
30"	3'-5"	6'-0"	5'-0"	8 1/2"	4'-1"	3'-1"	3'-6"	5'-5"
36"	4'-0"	7'-1"	6'-1"	1'-0"	4'-11"	3'-11"	4'-0"	6'-0"
42"	4'-7"	8'-6"	7'-2"	1'-3 1/2"	5'-2 1/2"	4'-6"	4'-6"	6'-7"
48"	5'-2"	9'-7"	8'-3"	1'-7"	2'-8 3/8"		5'-0"	7'-2"

* BUILT-IN-PLACE OR PRECAST BOX

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

**STANDARD
MEDIAN DROP INLET
(PRECAST OR BUILT-IN-PLACE)
& CONCRETE APRON**

SCALE AS SHOWN REV. & RECD. AUGUST 26, 1981

DES. 2-67 (SUBMITTED) *Floyd E. Hardy*
REV. R.M.U. STATE ROAD & AIRPORT DESIGN ENGR.
TRA. G.M.E. (APPROVED) *Thomas D. Morelock*
CHK. R.K.C. STATE HIGHWAY ENGINEER

NUMBER 9031-S



REVISION DATES		CONSTRUCTION PLAN	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	WRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

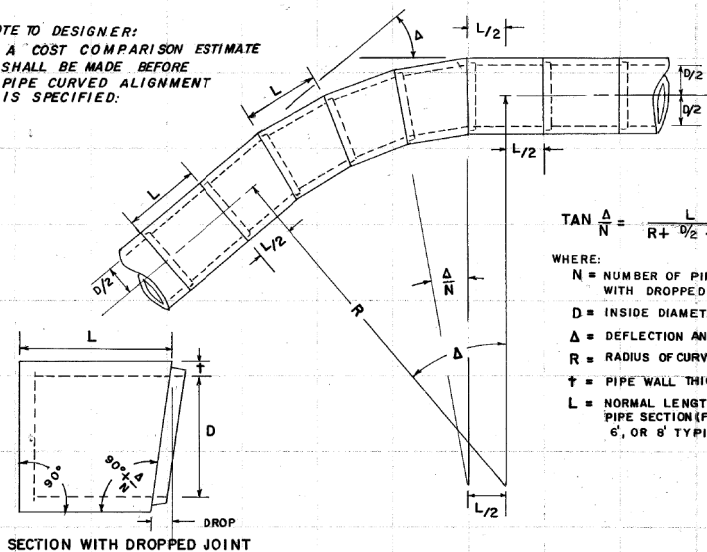
JUNE 2020

DRAWING No. 40-0009

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

PIPE CURVED ALIGNMENT USING SECTIONS WITH DROPPED JOINTS

NOTE TO DESIGNER:
A COST COMPARISON ESTIMATE
SHALL BE MADE BEFORE
PIPE CURVED ALIGNMENT
IS SPECIFIED.



$$\tan \frac{\Delta}{N} = \frac{L}{R + \frac{D}{2} + t}$$

WHERE:

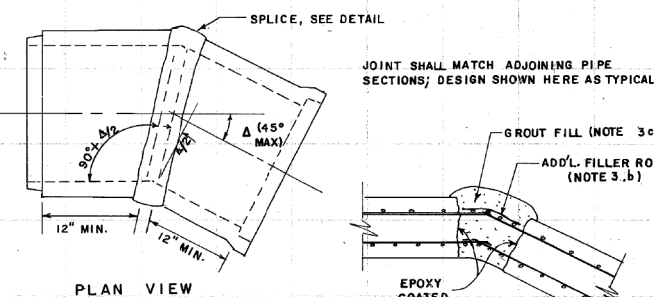
- N = NUMBER OF PIPE SECTIONS WITH DROPPED JOINTS
- D = INSIDE DIAMETER OF PIPE
- Δ = DEFLECTION ANGLE, DEGREES
- R = RADIUS OF CURVATURE (FT.)
- t = PIPE WALL THICKNESS (FT.)
- L = NORMAL LENGTH OF PIPE SECTION (FT.) 4', 6', OR 8' TYPICAL.

NOTES FOR PIPE CURVED ALIGNMENT:

1. PLANS ARE TO SPECIFY ONLY THE PIPE DIAMETER "D", THE ANGLE "Δ", AND THE TANGENT ALIGNMENT.
2. PIPE WALL THICKNESS "t", PIPE SECTION LENGTHS "L", AND DROP IN PIPE JOINT "ΔA" VARIES ACCORDING TO PIPE PRODUCER AND IS BASED ON FEASIBILITY.
3. THE RADIUS "R" AND THE NUMBER OF DROPPED JOINT PIPE SECTIONS "N" IS DETERMINED BY (1) & (2) ABOVE. MINOR MODIFICATIONS IN THE RADIUS "R" ARE NORMALLY MADE SO THAT "N" WILL BE A WHOLE NUMBER.
4. PIPE SECTIONS SHALL BE ORIENTED SUCH THAT THE PLANE OF THE DROPPED JOINT IS AT RIGHT ANGLES TO THE THEORETICAL CIRCULAR CURVE. THE TOP OF SECTIONS ARE TO BE MARKED SO THAT THE DEFLECTION ANGLE IS PROPERLY ORIENTED.
5. DETAILS ARE SHOWN FOR CONCRETE PIPE. CURVED ALIGNMENT FOR C.M. PIPE SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
6. PAYMENT PER LIN. FT. PIPE INCLUDES PIPE SECTIONS WITH DROPPED JOINTS.

SECTION WITH DROPPED JOINT

PIPE ELBOW SECTION (PRE-FABRICATED)



PLAN VIEW

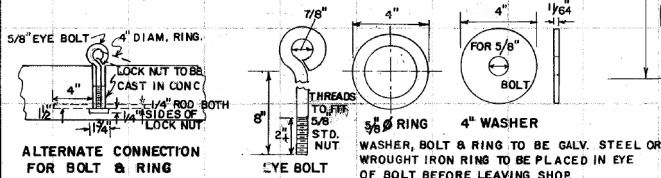
NOTE: SPLICE DETAIL IS SHOWN FOR DOUBLE CAGE REINFORCING, & IS SIMILAR FOR SINGLE CAGE REINFORCING, BUT WITH SINGLE SPLICE ALL AROUND BEING APPLICABLE.

SPLICE DETAIL (TYPICAL)

NOTES FOR PIPE ELBOW:

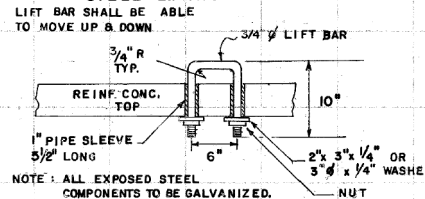
1. PAYMENT FOR LIN. FT. OF PIPE INCLUDES ELBOWS.
2. ELBOW ANGLE Δ SHALL VARY ACCORDING TO NEED, BUT SHALL NOT BE GREATER THAN 45°. THE CONTRACTOR SHALL INFORM PRODUCER AS TO ANGLE REQUIRED.
3. (a) CONCRETE PIPE SHALL BE CUT BEFORE BEING CURED AND STEEL EXPOSED FROM EACH SIDE OF CUT. (b) EXPOSED STEEL SHALL BE REJOINED. FILLER RODS AT LEAST EQUAL TO RODS IN PIPE SHALL BE ADDED AS NEEDED FOR HANDLING STRENGTH & TO HOLD GROUT. (c) ALL VOID IN SPLICE SHALL BE PACKED WITH GROUT MORTAR RICH ENOUGH TO GIVE STRENGTH AT LEAST EQUAL TO REMOVED CONCRETE WITH INSIDE SMOOTHED OUT.
4. C.M. PIPE ELBOW NOT SHOWN, BUT MAY BE SPECIFIED. SOLID WELD SHALL BE REQUIRED FOR C.M. ELBOW JOINT WITH GALVANIZING, ANV/OR COATINGS REPAIRED AS REQ'D.

BOLT, RING & WASHER DETAILS



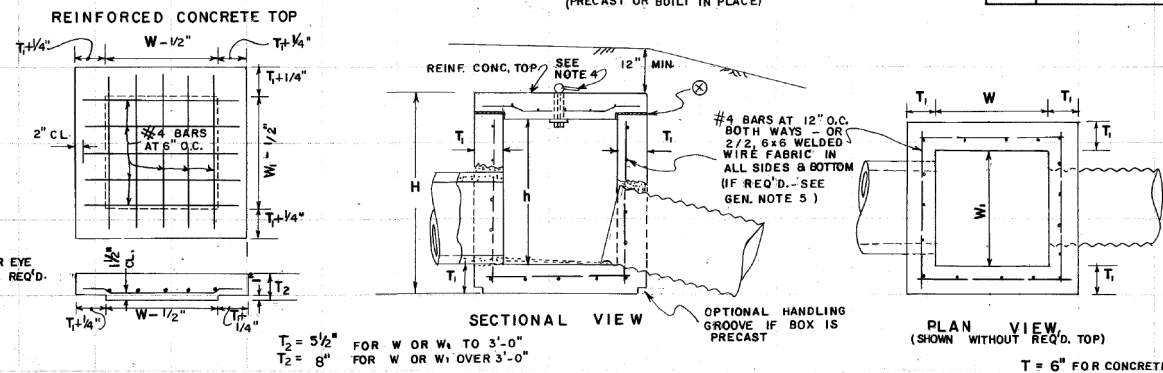
ALTERNATE CONNECTION FOR BOLT & RING

STEEL LIFTING BAR DETAIL



NOTE: ALL EXPOSED STEEL COMPONENTS TO BE GALVANIZED.

DETAILS OF CONCRETE JUNCTION BOX (PRECAST OR BUILT IN PLACE)



SECTIONAL VIEW

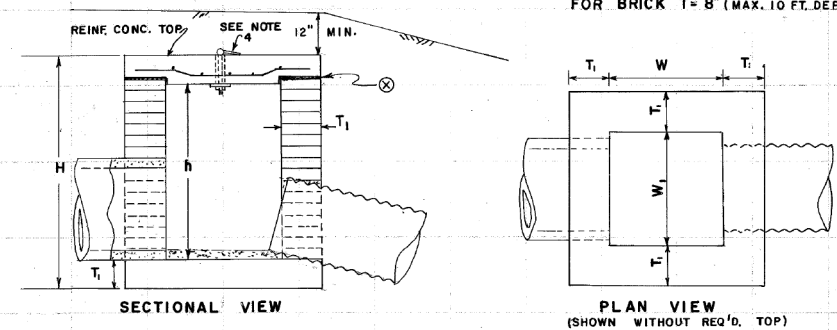
PLAN VIEW (SHOWN WITHOUT REQ'D. TOP)

DIMENSIONS FOR BRICK OR REINFC. CONC. BOX

PIPE SIZE	MIN. W OR W	MIN. H	MIN. H
15"	2'-0"	1'-9"	2'-9"
18"	2'-3"	2'-1"	3'-1"
24"	2'-10"	2'-8"	3'-8"
30"	3'-5"	3'-3"	4'-3"
36"	4'-0"	3'-10"	4'-9"
42"	4'-7"	4'-5"	5'-5"
48"	5'-2"	5'-0"	6'-0"

SEE GEN. NOTE NO.3

DETAILS OF BRICK JUNCTION BOX FOR BRICK T= 8" (MAX. 10 FT. DEPTH)

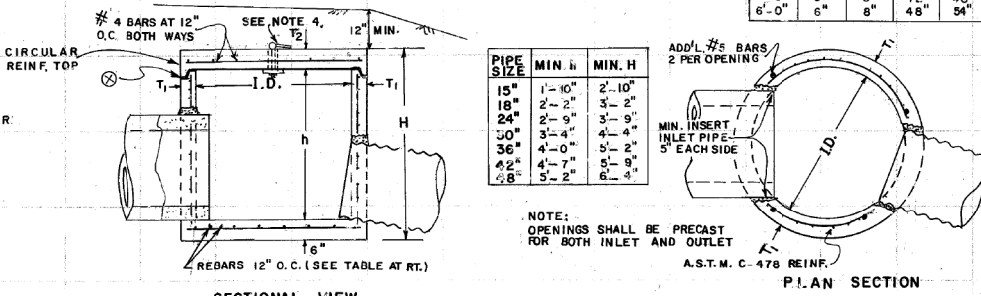


SECTIONAL VIEW

PLAN VIEW (SHOWN WITHOUT REQ'D. TOP)

DETAILS OF CIRCULAR PRECAST JUNCTION BOX

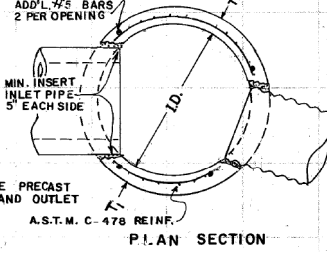
(REINFORCING AND DESIGN SHALL COMPLY WITH A.S.T.M. C-478 EXCEPT AS OTHERWISE SHOWN. MATERIALS SHALL COMPLY WITH GA. STD. SPECIFICATIONS FOR PRECAST MANHOLE)



SECTIONAL VIEW

I.D.	T ₁ (MIN.)	T ₂ (MIN.)	MAX. CONC. C.M.	MAX. PIPE C.M.	REBARS IN BOTTOM
4'-0"	5"	6"	30"	36"	#5
5'-0"	5"	8"	42"	48"	#5
6'-0"	6"	8"	48"	54"	#6

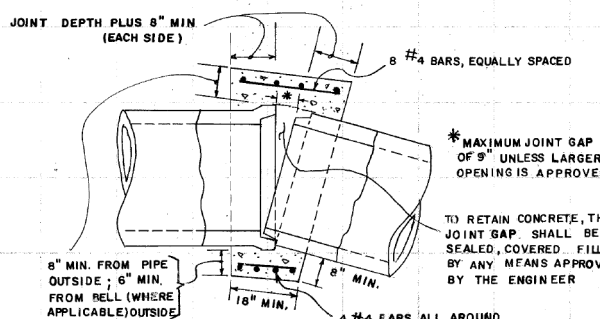
PIPE SIZE	MIN. H	MIN. H
15"	1'-10"	2'-10"
18"	2'-2"	3'-2"
24"	2'-9"	3'-9"
30"	3'-4"	4'-4"
36"	4'-0"	5'-2"
42"	4'-7"	5'-9"
48"	5'-2"	6'-4"



P.L.A.N SECTION

NOTE: OPENINGS SHALL BE PRECAST FOR BOTH INLET AND OUTLET A.S.T.M. C-478 REINF.

CONCRETE COLLAR FOR DEFLECTING PIPE

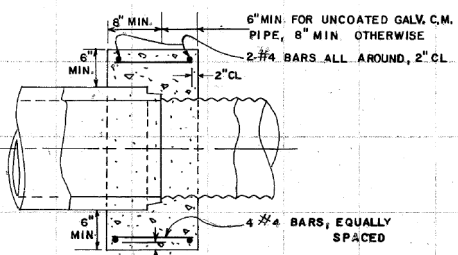


PLAN SECTION

NOTES FOR CONCRETE COLLARS:

1. PERIMETERS OF CONCRETE COLLARS DO NOT HAVE TO BE SMOOTH LINES. COLLARS MAY BE FORMED AGAINST COMPACTED OR UNDISTURBED SOIL. DIMENSIONS ARE MINIMUM. COLLAR MAY BE SQUARE, ROUND OR SHAPE MAY VARY SO LONG AS MINIMUM DIMENSIONS ARE OBTAINED.
2. ALL CONCRETE COLLARS ARE TO BE CONSTRUCTED WITH CLASS A CONCRETE.
3. PAYMENT FOR LIN. FT. OF PIPE INCLUDES COLLARS.

CONCRETE COLLAR FOR JOINTING PIPE



PLAN OR SIDE SECTION

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THEREOF.
2. ILLUSTRATED PIPES, PIPE JOINTS, ALIGNMENT, SIZES, ETC. ARE SHOWN AS REPRESENTATIVE. ACTUAL REQUIREMENTS VARY PER LOCATION AS INDICATED IN THE PLANS.
3. JUNCTION BOXES DO NOT HAVE TO BE CONSTRUCTED SQUARE. W.B.W. DIMENSIONS MAY VARY ACCORDING TO PIPE SIZE.
4. ALL JUNCTION BOX TOPS SHALL BE EQUIPPED WITH EITHER AN EYE BOLT & RING (SHOWN) OR A LIFTING BAR (ALTERNATE).
5. REINFORCING IS REQUIRED FOR ALL PRECAST JUNCTION BOXES. REINFORCING MAY BE OMITTED FOR BUILT IN PLACE CONCRETE BOXES NOT OVER 10 FT. DEEP AND NOT LARGER THAN 3' x 3'. CONSTRUCTION JOINTS PERMITTED IF DOWELED OR KEYS. ALL JUNCTION BOX TOPS SHALL BE REINFORCED.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

STANDARD

**PRECAST OR BUILT IN PLACE
JUNCTION BOXES
PIPE COLLARS, PIPE ELBOW
& PIPE CURVED ALIGNMENT**

NO SCALE	REV. & REDN. JULY 1985
DES. R.M.U. (SUBMITTED) <i>Alfred Hanks</i>	NUMBER 9031U
URW. R.M.U.	STATE ROAD & AIRPORT DESIGN ENGR.
TRA. G.M.E. (APPROVED) <i>Hal Kweza</i>	STATE HIGHWAY ENGINEER
CHK. R.K.C.	

REVISION DATES

CONSTRUCTION PLAN

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

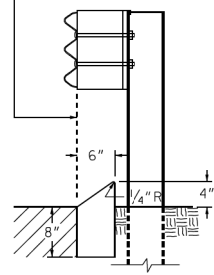
JUNE 2020

CHECKED: ADS	DATE: 02/19/2019	DRAWING No.
BACKCHECKED: TKS	DATE: 06/04/2019	
CORRECTED: WRW	DATE: 06/04/2019	
VERIFIED: ADS	DATE: 06/05/2019	

40-0010



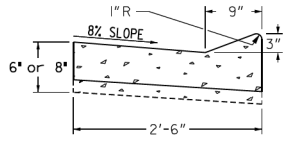
FACE OF CURB MUST ALIGN WITH BACK EDGE OF GUARDRAIL AND THE FACE OF THE OFFSET BLOCK.



TYPE 8

TYPE 8 HEADER CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 4382.

RAISED EDGE WITH CONCRETE GUTTER

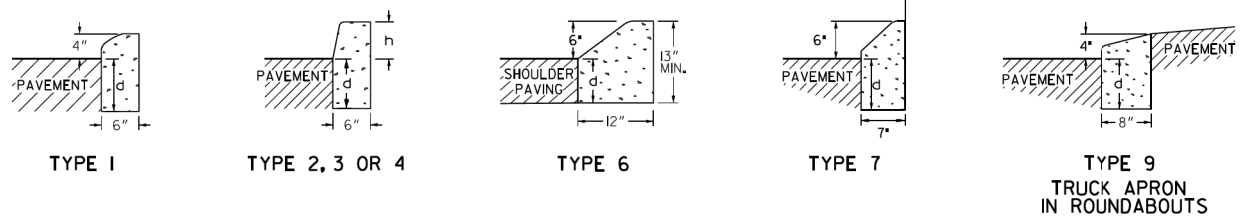


RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

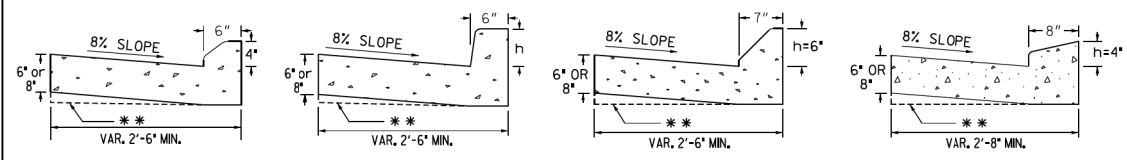
CURB TYPE	h	d
1	4"	8" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.

THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.

CONCRETE HEADER CURBS

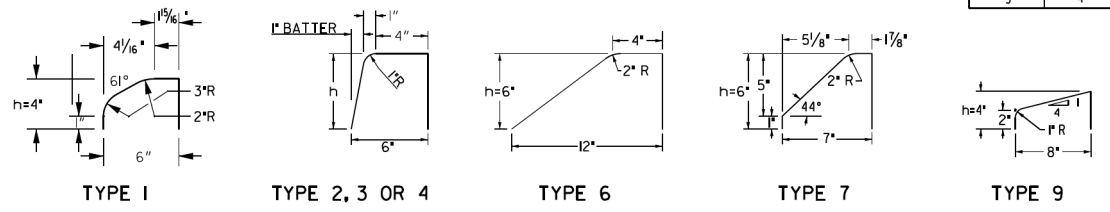


CONCRETE CURB & GUTTER

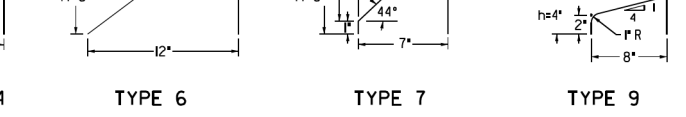


** AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

CURB FACE DESIGN

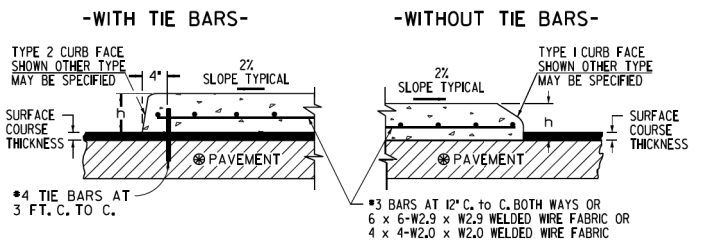


CONCRETE MEDIANS (Integral)



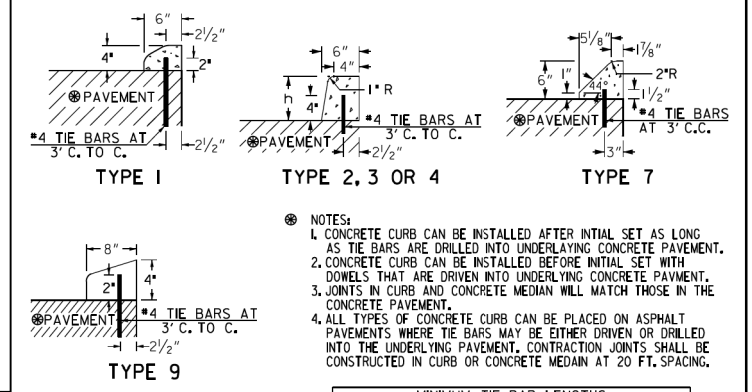
NOTE: IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

CONCRETE MEDIANS (Integral)



NOTE: IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

CONCRETE DOWELED INTEGRAL CURBS

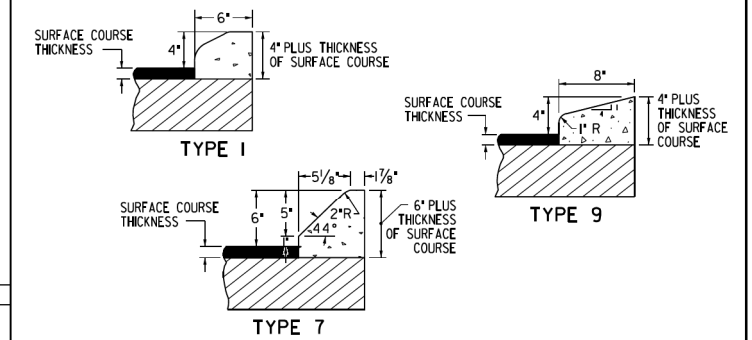


- NOTES:
 - CONCRETE CURB CAN BE INSTALLED AFTER INITIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLYING CONCRETE PAVEMENT.
 - CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
 - JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
 - ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDIAN AT 20 FT. SPACING.

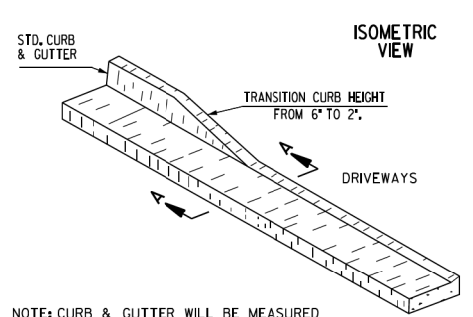
CURB TYPE	MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN)	
	P.C. CONC. PAV.	ASPHALT PAV.
1	6"	8"
2, 3 or 4	8"	12"
7	8"	8"
9	6"	8"

NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-30)

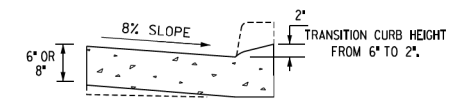
CONCRETE INTEGRAL CURB



DETAILS OF RECESSED CURB FOR DRIVEWAYS



NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



SECTIONAL VIEW SECTION A-A

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS

NOT TO SCALE OCT. 2011

DES. (SUBMITTED) [Signature]
TRA. (APPROVED) [Signature]
CHK. [Signature]

NUMBER 9032B

REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

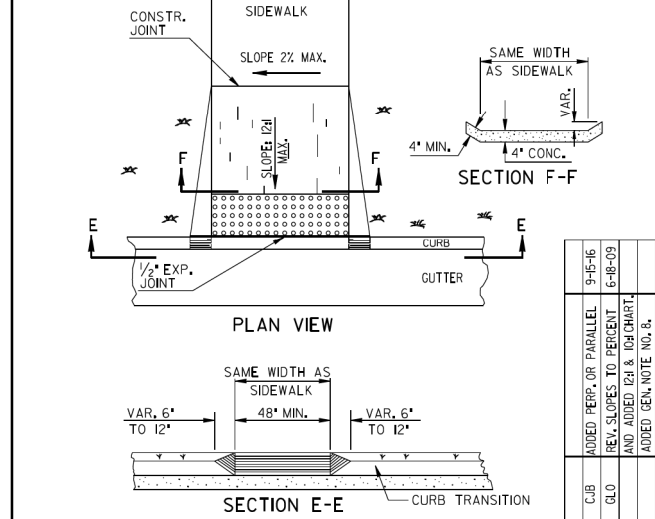
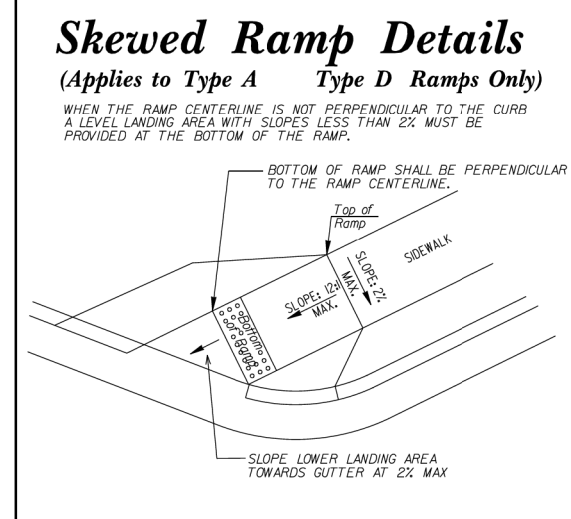
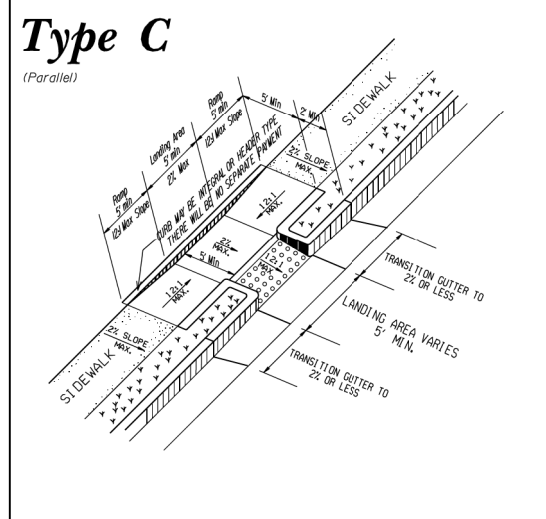
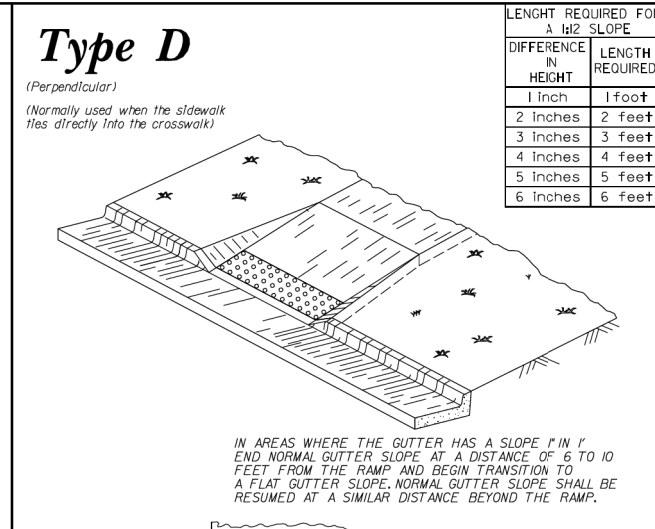
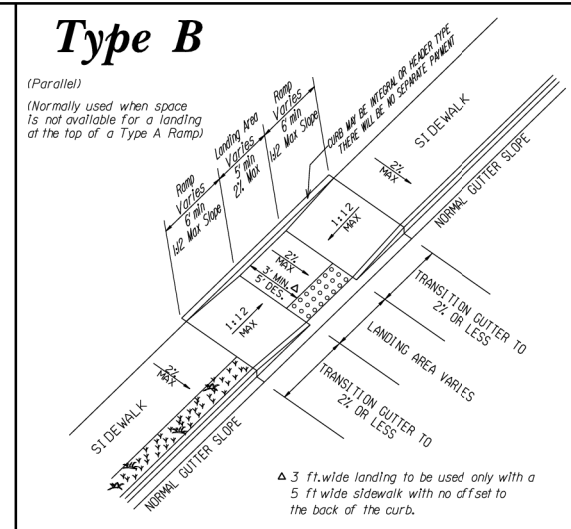
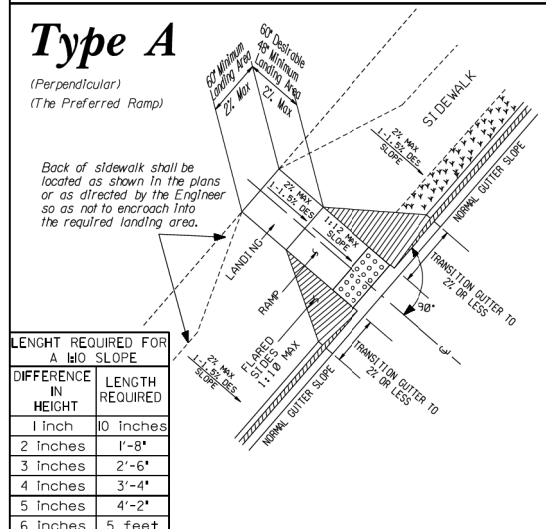
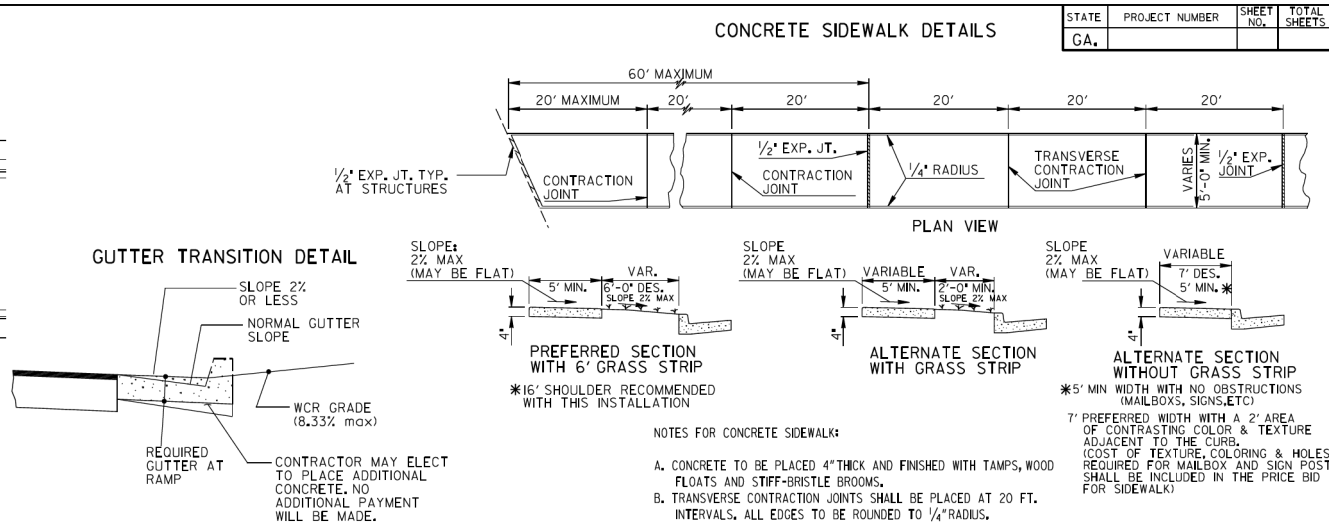
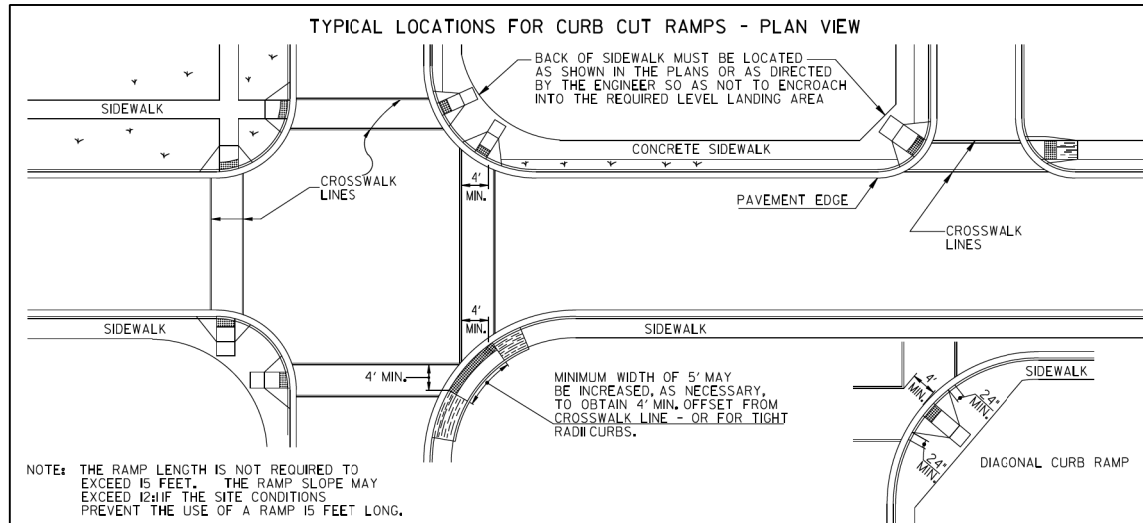
PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	DATE:	DRAWING NO.
TKS	02/19/2019	
MRM	06/04/2019	
ADS	06/04/2019	
ADS	06/05/2019	

40-0011





REVISED	DATE	REVISION
9-15-16	6-18-09	ADDED PERP. OR PARALLEL REV. SLOPES TO PERCENT AND ADDED GR & IGA CHART
2-24-03	7-29-02	REVISED
2-24-03	5-29-02	REVISED
5-10-06	5-29-02	REVISED
5-10-06	4-18-02	REVISED
5-10-06	4-3-02	REVISED
5-10-06	3-28-02	REVISED

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE

MARCH 12, 2002

NUMBER
A3



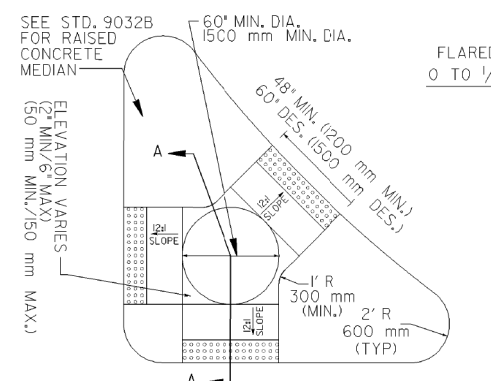
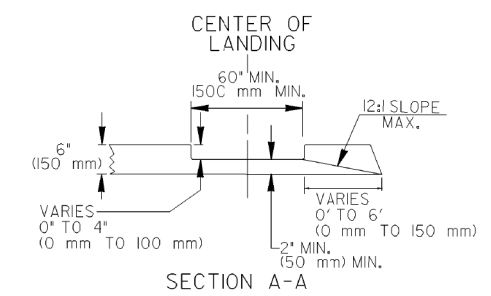
REVISION DATES		CONSTRUCTION PLAN	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	WRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

DRAWING No.
41-0001

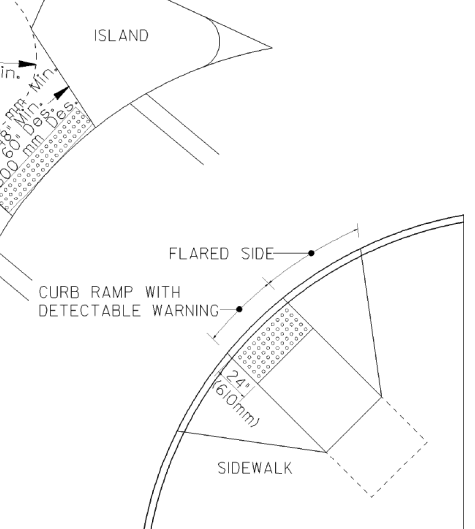
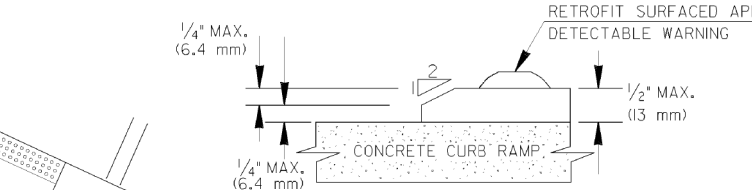
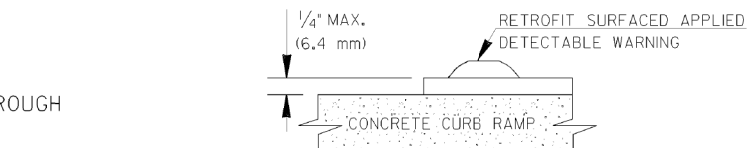
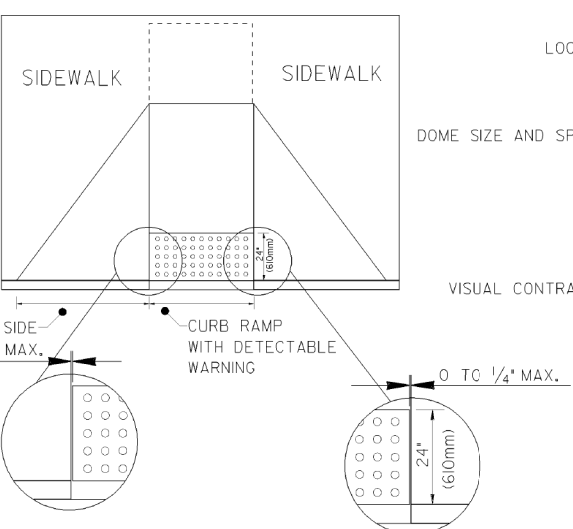
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CONCRETE ISLAND WITH ELEVATED CUT THROUGH

NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL, THE COST OF THE DETECTABLE WARNINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.



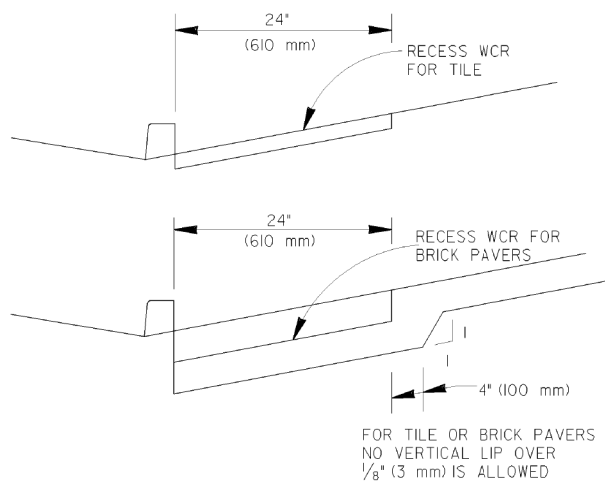
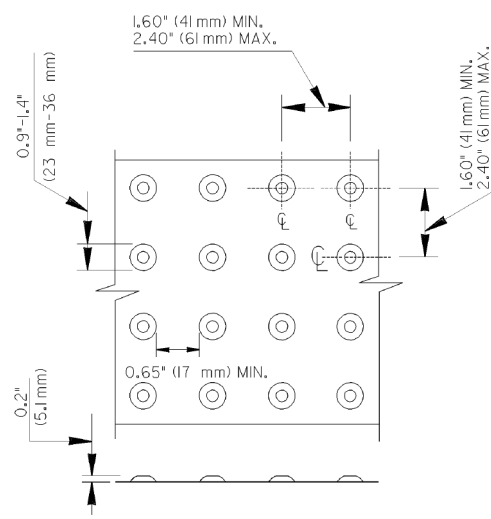
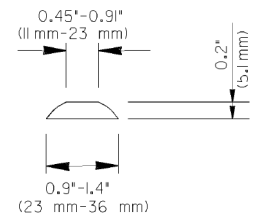
DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND

SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm TO 180 mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23 mm-36 mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9 INCH (11 mm-23 mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER, A HEIGHT OF 0.2 INCH (5.1 mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61 mm) DESIRABLE 1.60 INCHES (41 mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.



MATERIALS:

NEW CONSTRUCTION
THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON OPL 87.

RETROFIT OF EXISTING RAMPS
SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:
BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4\"/>

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S DETAILS OR INSTRUCTION.

GENERAL NOTES:

- RETROFIT SURFACED APPLIED MATERIALS ONLY:
- 1. CHANGES IN LEVEL OF 1/4\"/>

6-18-09		DATE		DEPARTMENT OF TRANSPORTATION	
ADDED RETROFIT DETAIL AND ADDED A.L.T. RAMP DETAIL AND GEN. NOTES		10-2-06		STATE OF GEORGIA	
GLO		5-10-06		SPECIAL DETAIL	
GLO		7-29-02		DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	
BY		REVISION		NO SCALE	
				MARCH 12, 2002	
				NUMBER	
				A4	



REVISION DATES

CONSTRUCTION PLAN

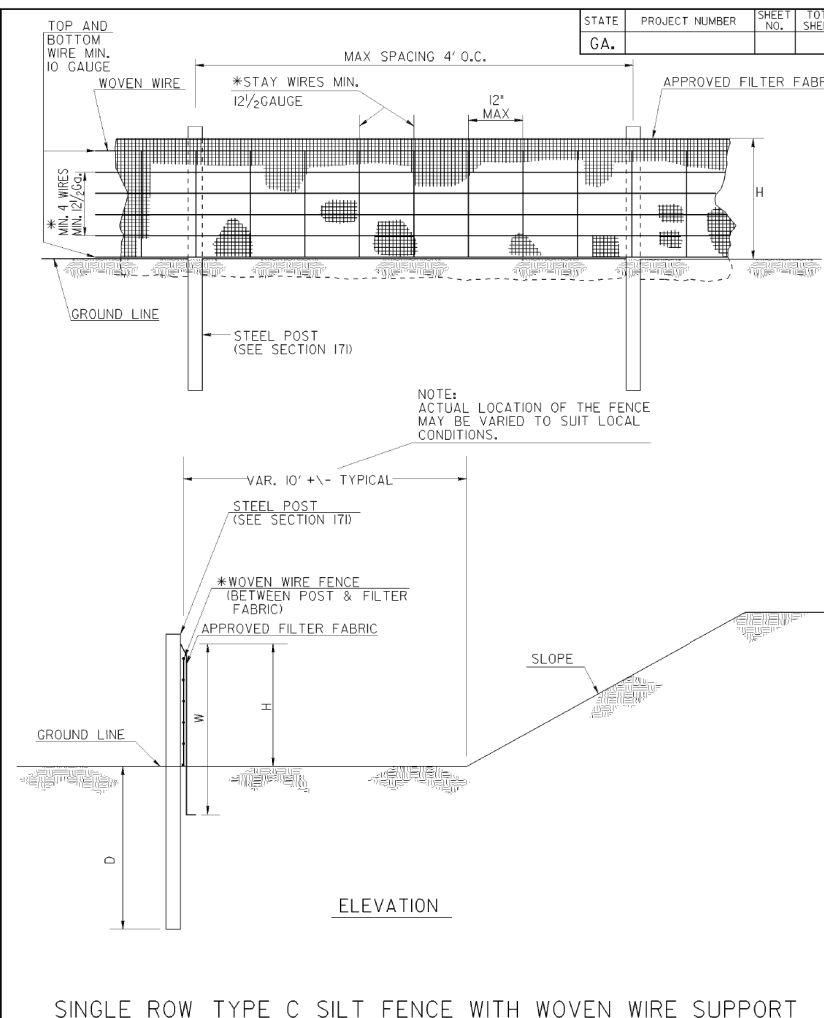
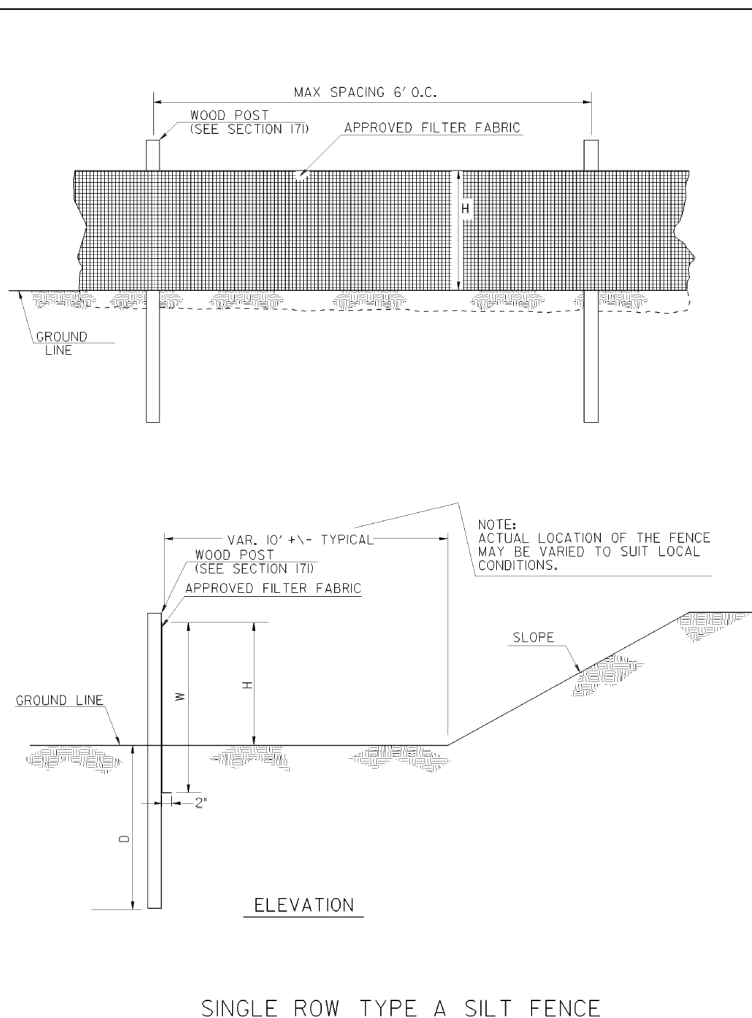
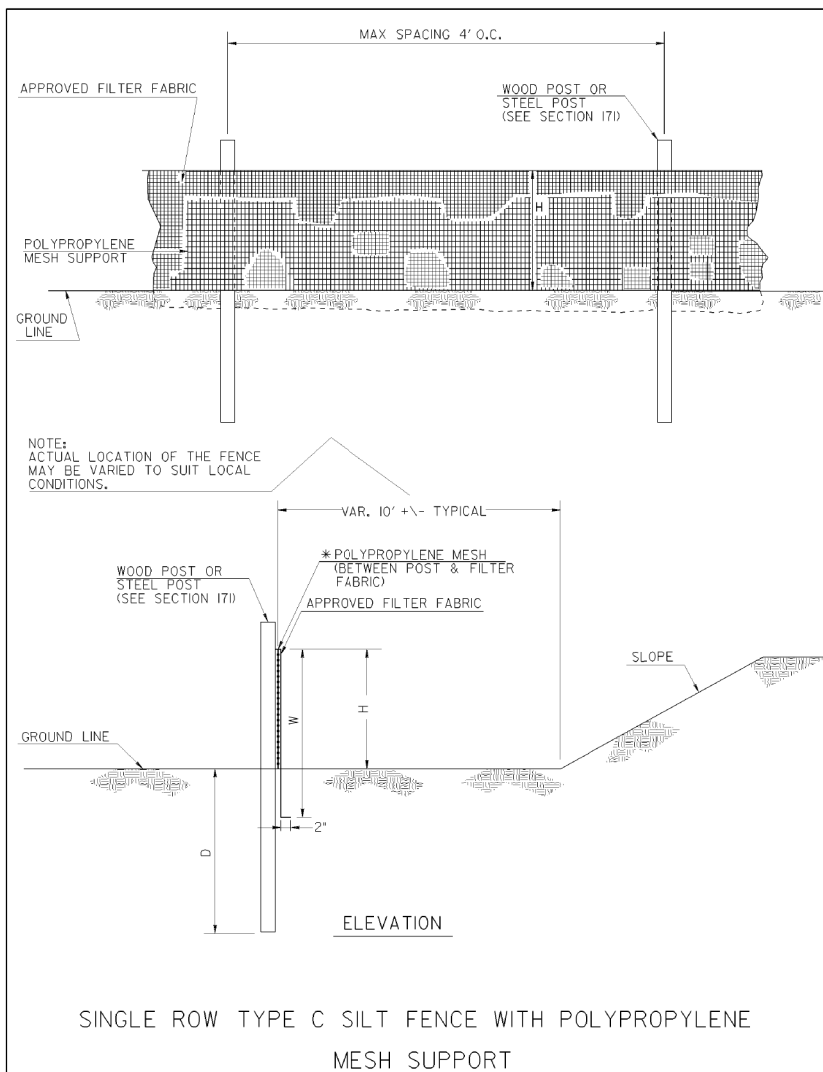
PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

41-0002

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FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS TEMPORARY SILT FENCE	
BY		NO SCALE REV. AND REDRAWN JAN. 2011	
		NUMBER D-24A 1 SHEET 1 OF 41	

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REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

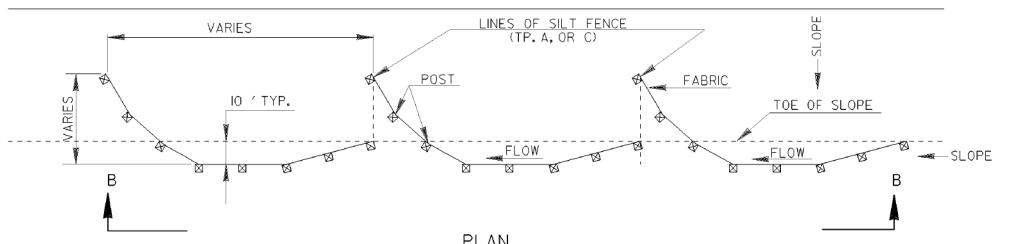
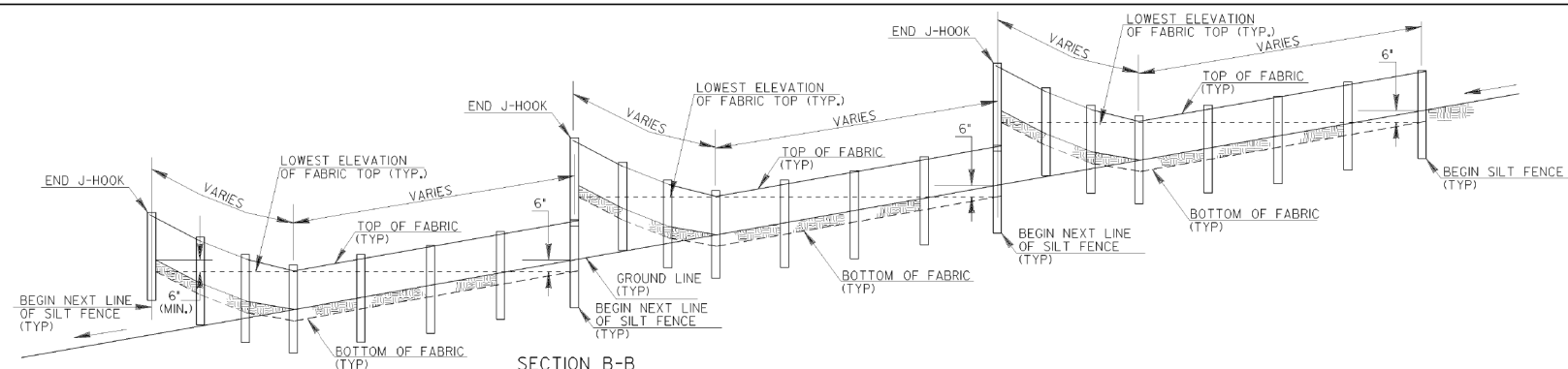
JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

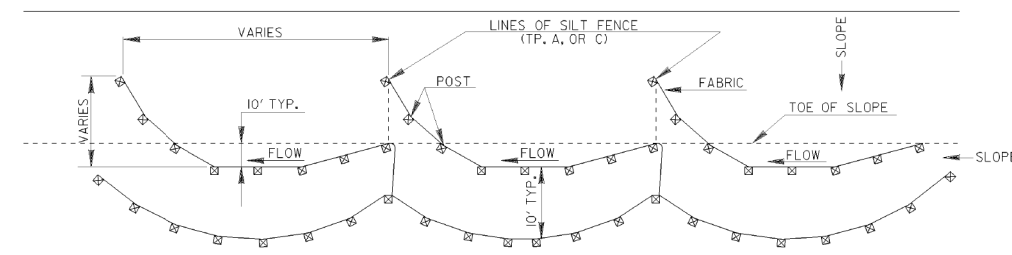
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41-0003

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



SINGLE ROW SILT FENCE

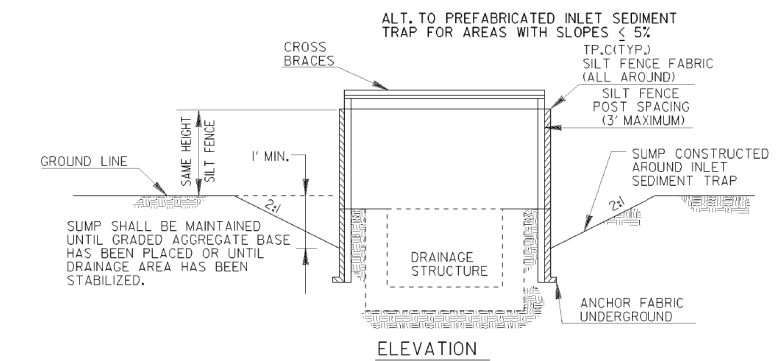


DOUBLE ROW SILT FENCE

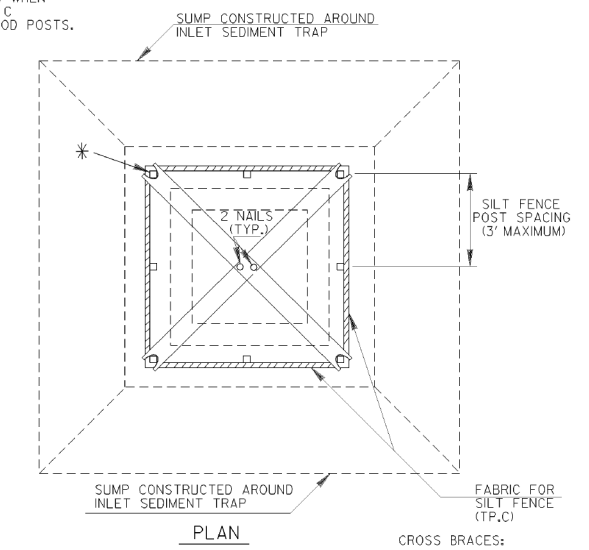
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

NOTE:
1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

TYPICAL LOCATION AROUND DROP INLETS



* CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



CROSS BRACES:
TWO - 2 X 4'S WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.
NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

(PLASTIC ALTERNATE) (METAL ALTERNATE)

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

- EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
- PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
- SLIDE THE FILTER OVER THE FRAME.
- FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
- BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE: INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

NOTE: PAYMENT AS INLET SEDIMENT TRAP PER EACH

INLET SEDIMENT TRAP - FOR DROP INLETS

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS	
BY		NO SCALE	JANUARY 2011
		NUMBER D-24C (SHEET 3 OF 4)	

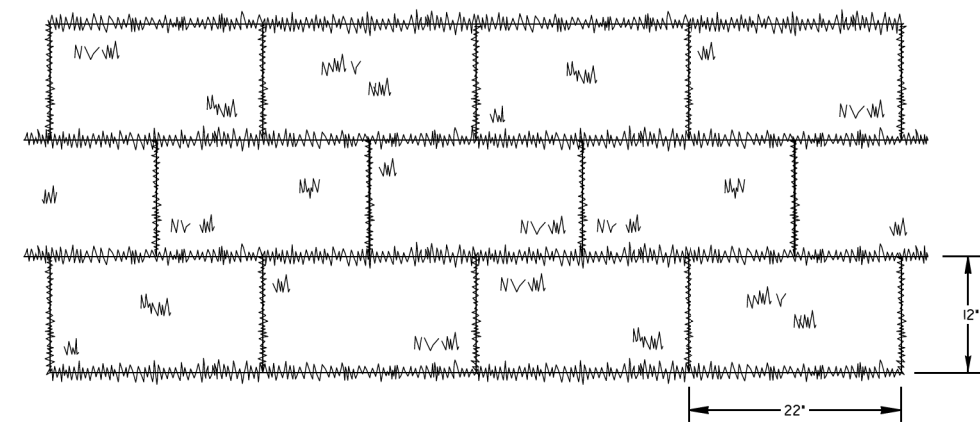
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REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		DRAWING No. 41-0004	
		JUNE 2020	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

SOD LAYOUT

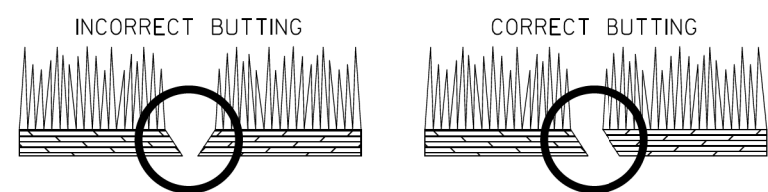


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52" LONG ROLLS.

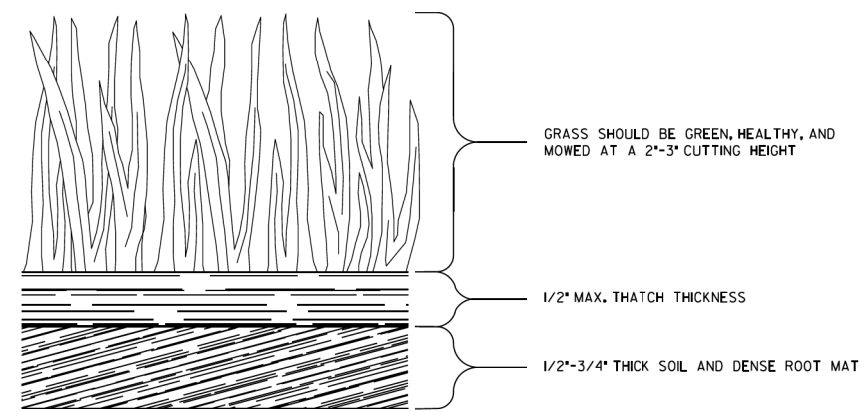
GENERAL NOTES:

- SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"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 2H 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



SOD APPEARANCE



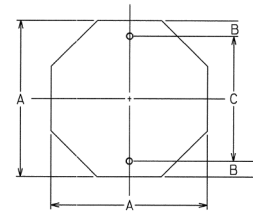
PAY ITEM:
700-9300 SOD (SY)

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS SOD INSTALLATION	
NO SCALE	4-22-2016
DESIGNED _____	NUMBER D-54
DRAWN <u>DLE</u>	
TRACED _____	
CHECKED _____	



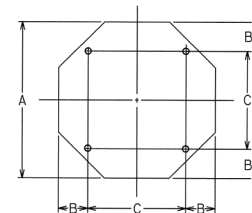
REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		CHECKED: ADS	DATE: 02/19/2019
		BACKCHECKED: TKS	DATE: 06/04/2019
		CORRECTED: MRW	DATE: 06/04/2019
		VERIFIED: ADS	DATE: 06/05/2019
		JUNE 2020	
		DRAWING No. 41-0005	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
G.A.			



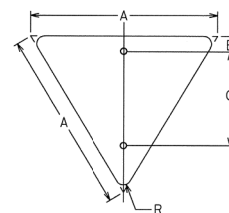
OCTAGON

A	B	C
24	3	18
30	3	24
36	3	30



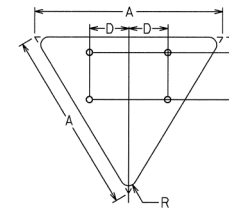
EQUILATERAL TRIANGLE

A	B	C
48	9	30

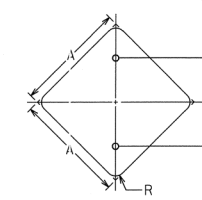


DIAMOND

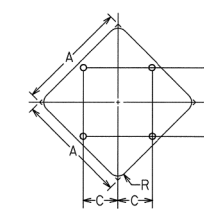
A	B	C	R
30	3	18	1 1/2
36	3	21	2
48	3	27	3



A	B	C	D	R
60	3	18	15	3

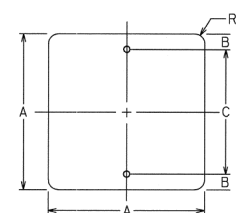


A	B	R
24	12	1 1/2
30	15	1 7/8
36	18	2 1/4



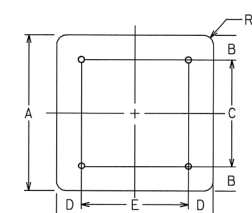
A	B	C	R
36	10	10	2 1/4
48	15	15	3
60	18	18	3 3/4

* FOR TWO POST ERECTION

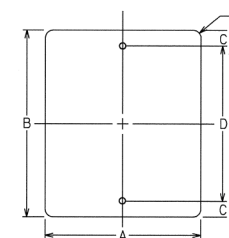


SQUARE

A	B	C	R
18	3	12	1 1/2
24	3	18	1 1/2
30	3	24	1 7/8

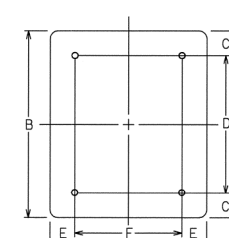


A	B	C	D	E	R
36	6	24	6	24	2 1/4
48	6	36	6	36	3

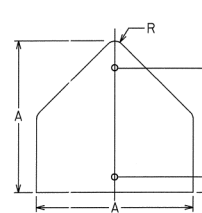


VERTICAL RECTANGLE

A	B	C	D	R
12	18	1 1/2	15	1 1/2
18	24	3	18	1 1/2
24	30	3	24	1 1/2
30	36	3	30	1 7/8

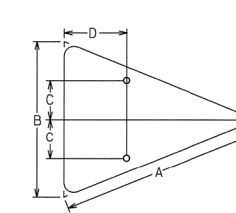


A	B	C	D	E	F	R
36	48	6	36	6	24	2 1/4
48	60	6	48	9	30	3



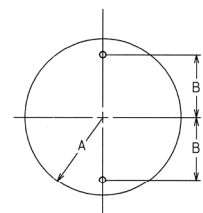
PENTAGON

A	B	C	R
30	21	3	1 7/8
36	24	3	2 1/4



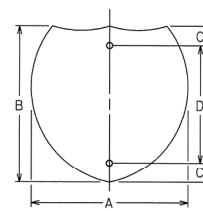
ISOSCELES TRIANGLE

A	B	C	D	R
40	30	7 1/2	12	1 7/8
48	36	9	15	2 1/4



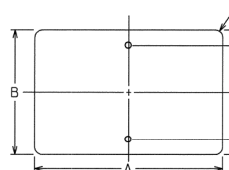
CIRCLE

A	B
15	12
18	15



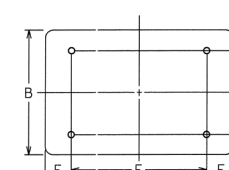
INTERSTATE SHIELD

A	B	C	D
24	24	3	18
30	24	3	18
36	36	6	24
45	36	6	24



HORIZONTAL RECTANGLE

A	B	C	D	R
21	15	1 1/2	12	1 1/2
24	12	1 1/2	9	1 1/2
24	18	3	12	1 1/2
30	15	1 1/2	12	1 1/2
30	24	3	18	1 1/2
36	12	1 1/2	9	1 1/2
36	24	3	18	1 1/2
48	12	1 1/2	9	1 1/2
48	24	3	18	1 7/8



A	B	C	D	E	F	R
48	36	6	24	9	30	2 1/4
60	24	3	18	12	36	1 1/2
60	36	6	24	12	36	2 1/4

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF SIGN PLATES
		NO SCALE JANUARY 2000

T-1



REVISION DATES

CONSTRUCTION PLAN

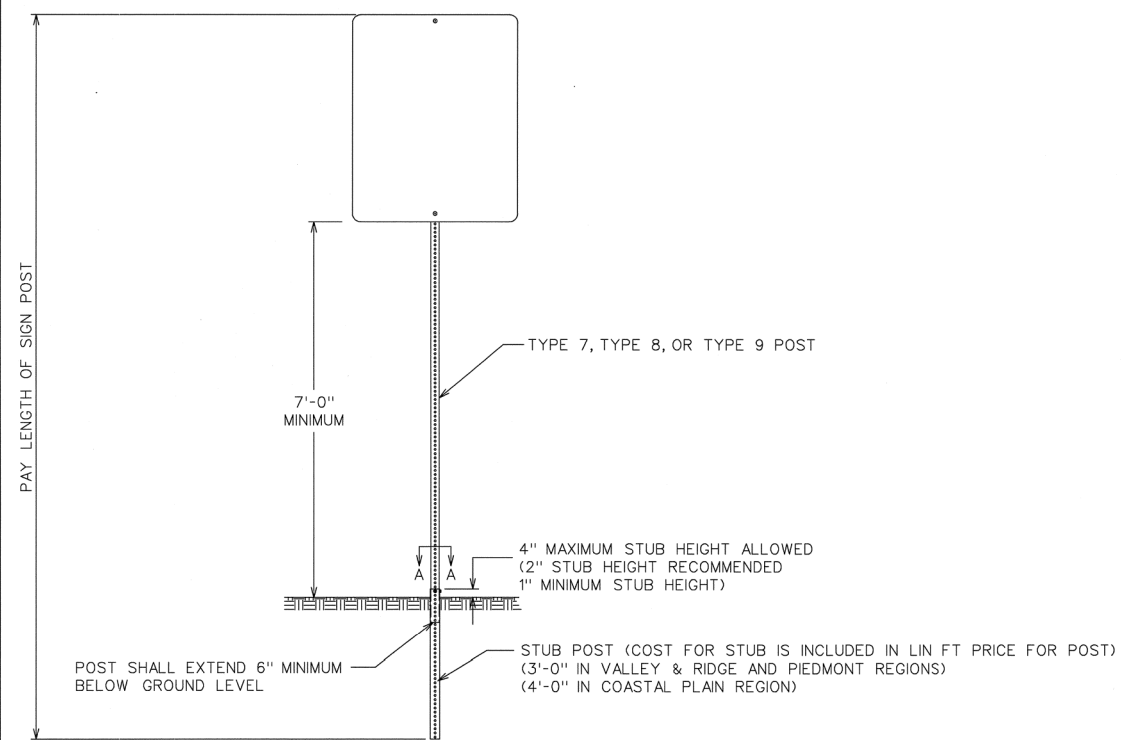
PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	DATE:	DRAWING No.
TKS	02/19/2019	
MRM	06/04/2019	
ADS	06/05/2019	

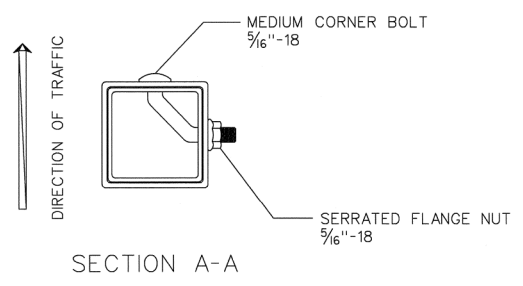
41-0006

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2 1/4" x 2 1/4"
TYPE 8	2 3/4" x 2 3/4"
TYPE 9	2 1/2" x 2 1/2"



SECTION A-A

SIGN POST SELECTION CHART

70 MPH Wind Load Chart • 15% Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED			GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED					
	TYPE 7 2 1/4 ga.		TYPE 9 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 2-1/2" 12 ga.		TYPE 8 w / TYPE 9 Insert 2-1/2" 12 ga. W / 2-1/4" 14 ga.	
	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE								
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL
		NO SCALE JULY 2002

T-3A



REVISION DATES

NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

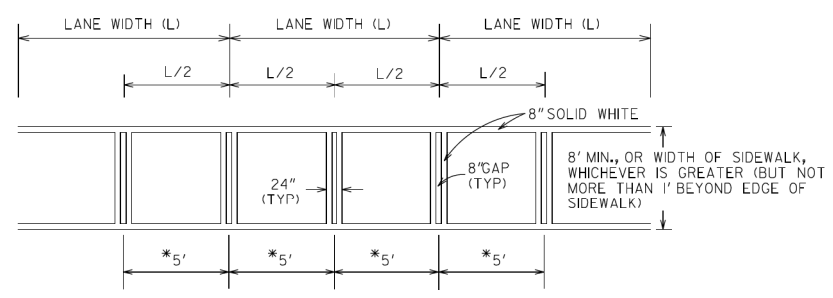
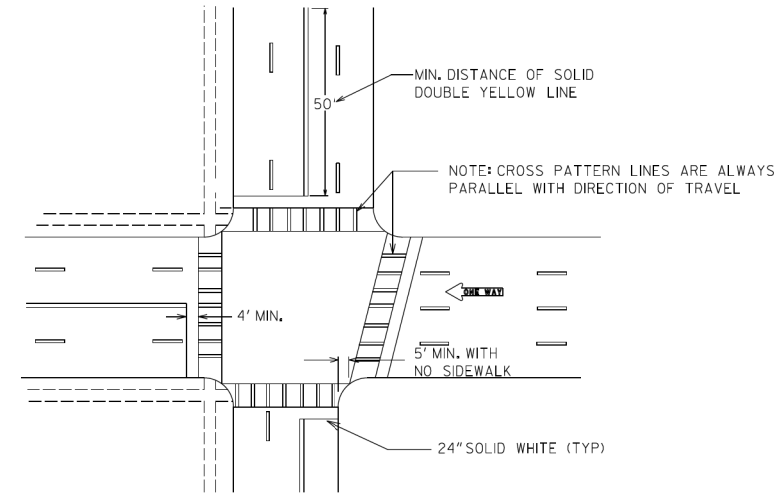
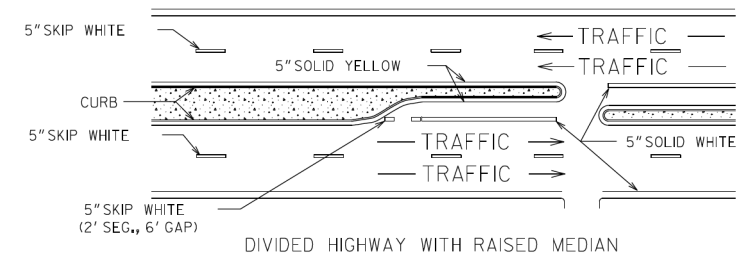
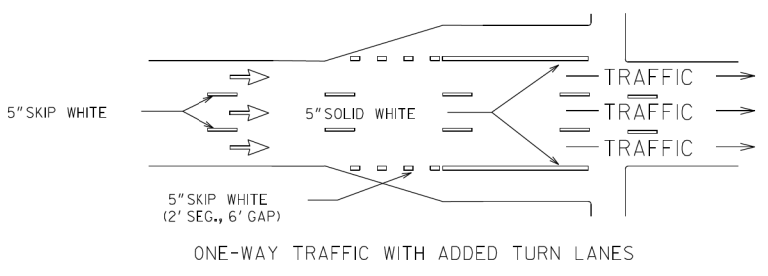
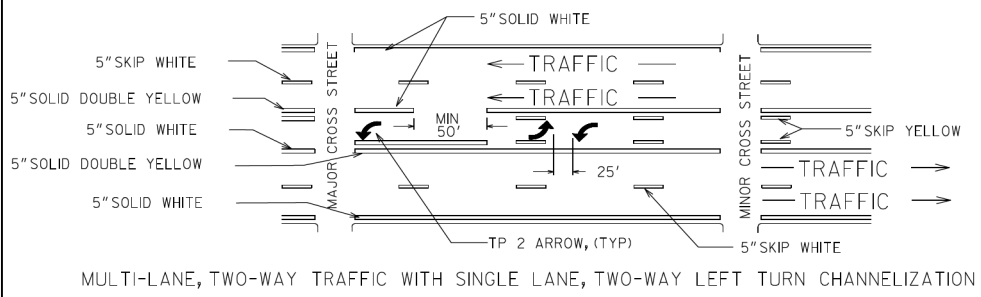
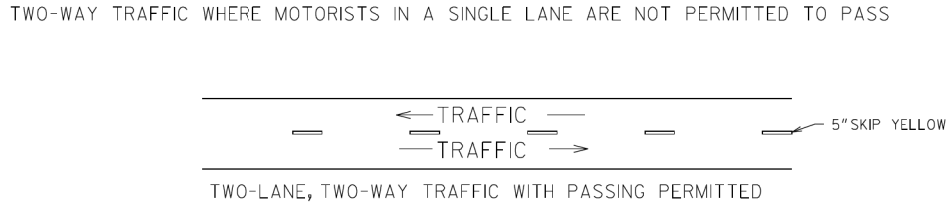
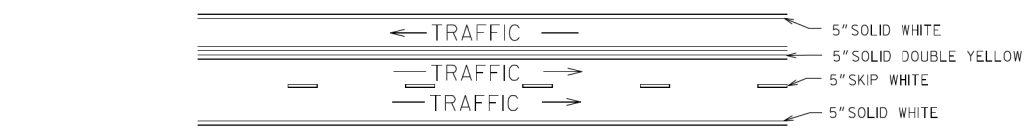
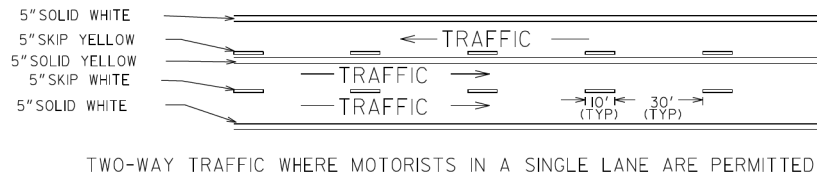
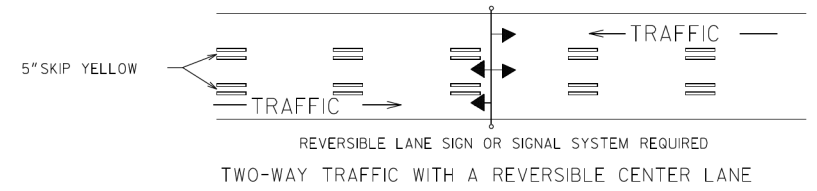
PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019	DRAWING No.
BACKCHECKED:	TKS	DATE:	06/04/2019	
CORRECTED:	MRM	DATE:	06/04/2019	
VERIFIED:	ADS	DATE:	06/05/2019	

41-0007

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

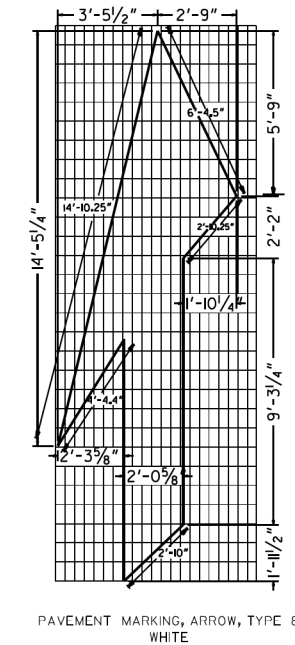
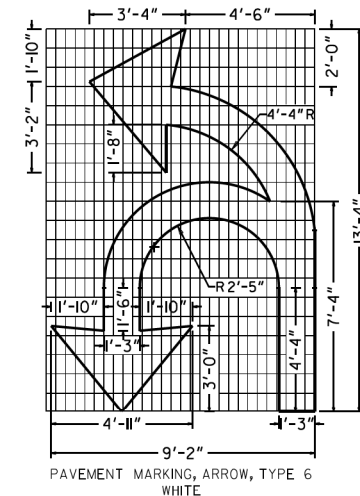
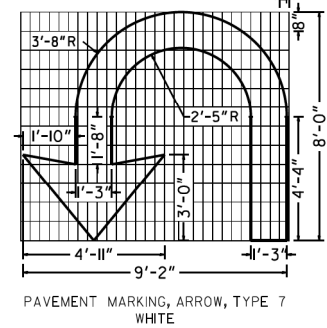
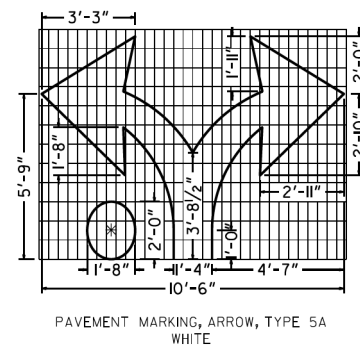
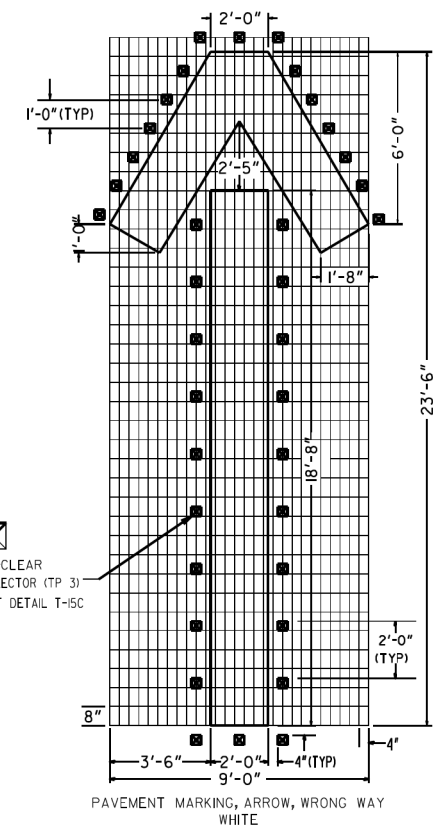
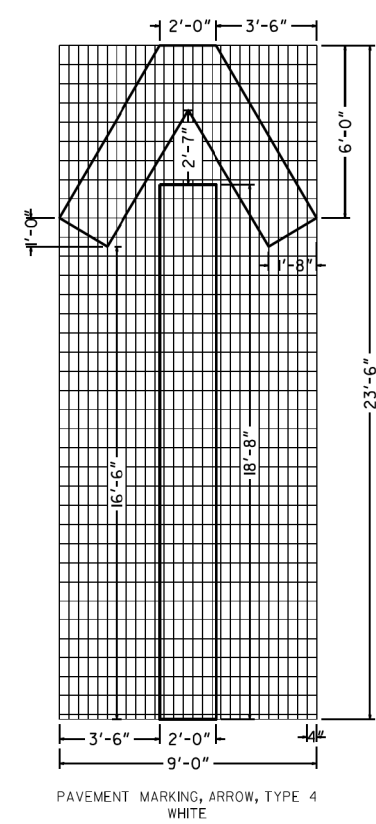
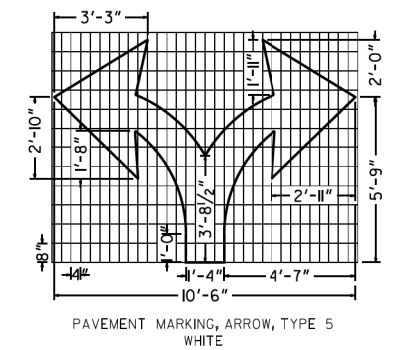
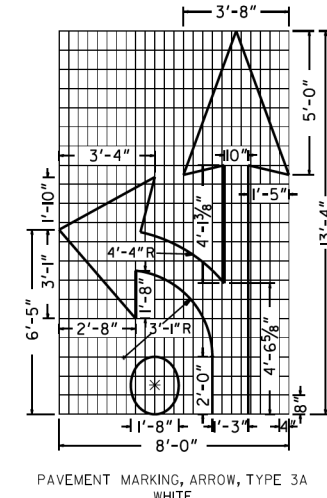
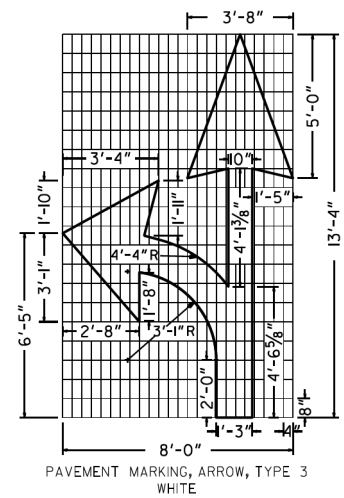
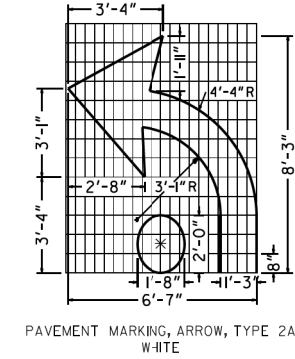
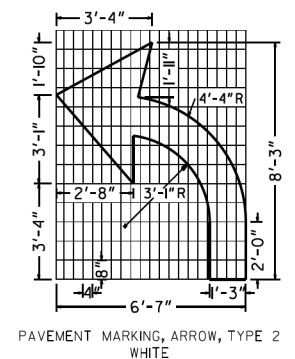
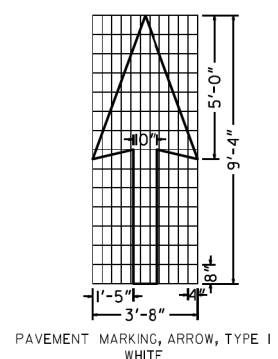
- GENERAL NOTES:
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
 2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
 3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-II.B.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	
NO SCALE	JANUARY 2000
DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-IIA



REVISION DATES		CONSTRUCTION PLAN	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
		JUNE 2020	
CHECKED: ADS	DATE: 02/19/2019	DRAWING No.	
BACKCHECKED: TKS	DATE: 06/04/2019		
CORRECTED: WRW	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019	41-0008	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



NOTES
1. PAVEMENT MARKING ARROWS WITH A DOT (2A, 3A, 5A) SHALL BE USED ALONG MULTI-LANE ROUNDABOUT APPROACHES ALONG THE INSIDE LANE ONLY.

ADDED PAVEMENT MARKING		DATE		DEPARTMENT OF TRANSPORTATION	
ARROWS FOR ROUNDABOUTS				STATE OF GEORGIA	
CHANGED LOCATION OF RRM# 4-B-00				CONSTRUCTION DETAILS	
ON WRONG WAY ARROW				PAVEMENT MARKINGS - ARROWS	
REVISION				NO SCALE	
				JANUARY 2000	
BY		DESIGNED		NUMBER	
		DRAWN		T-12B	
		TRACED			
		CHECKED			



REVISION DATES

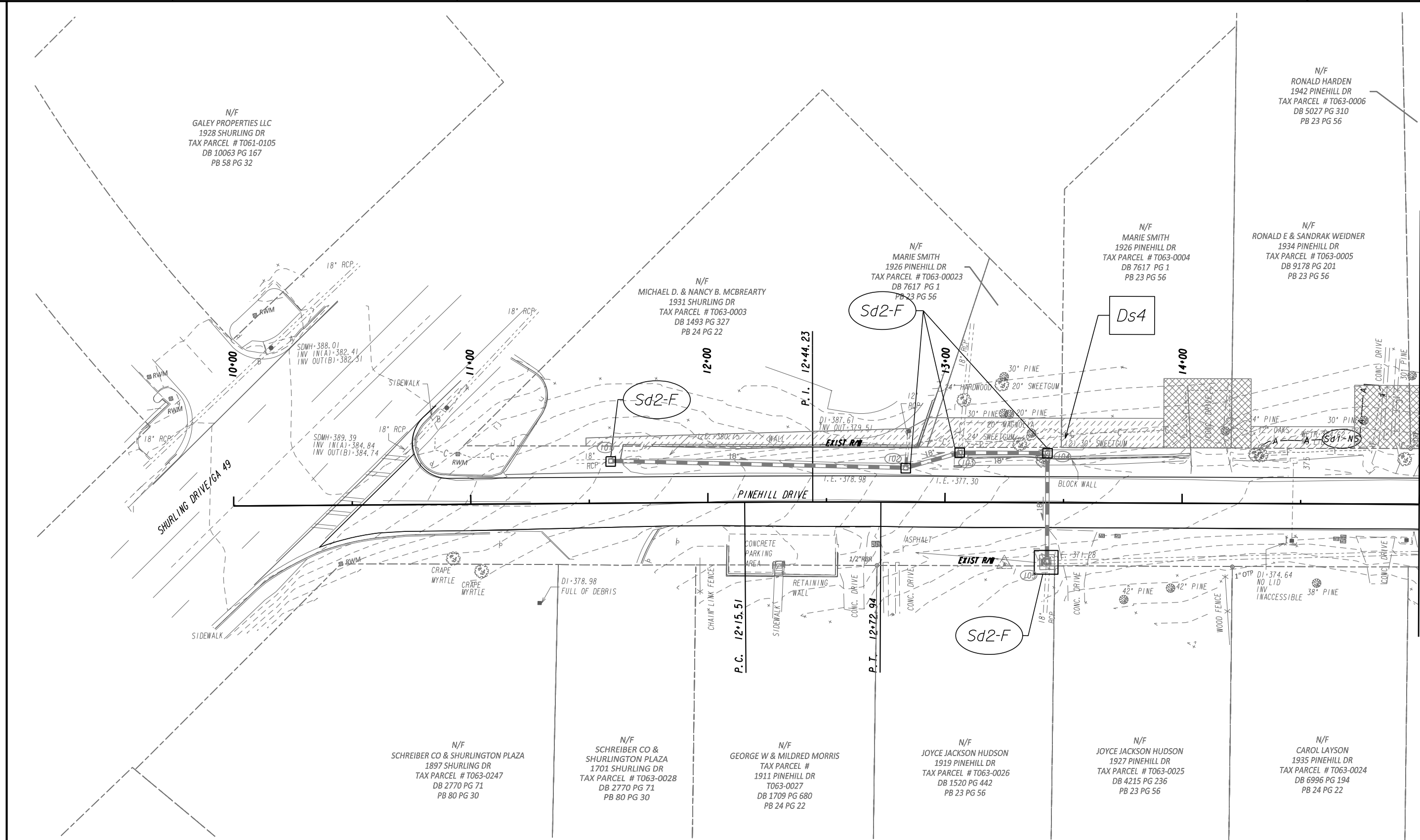
CONSTRUCTION PLAN

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

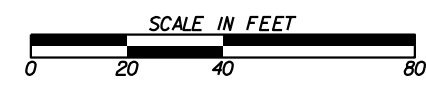
JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

41-0009

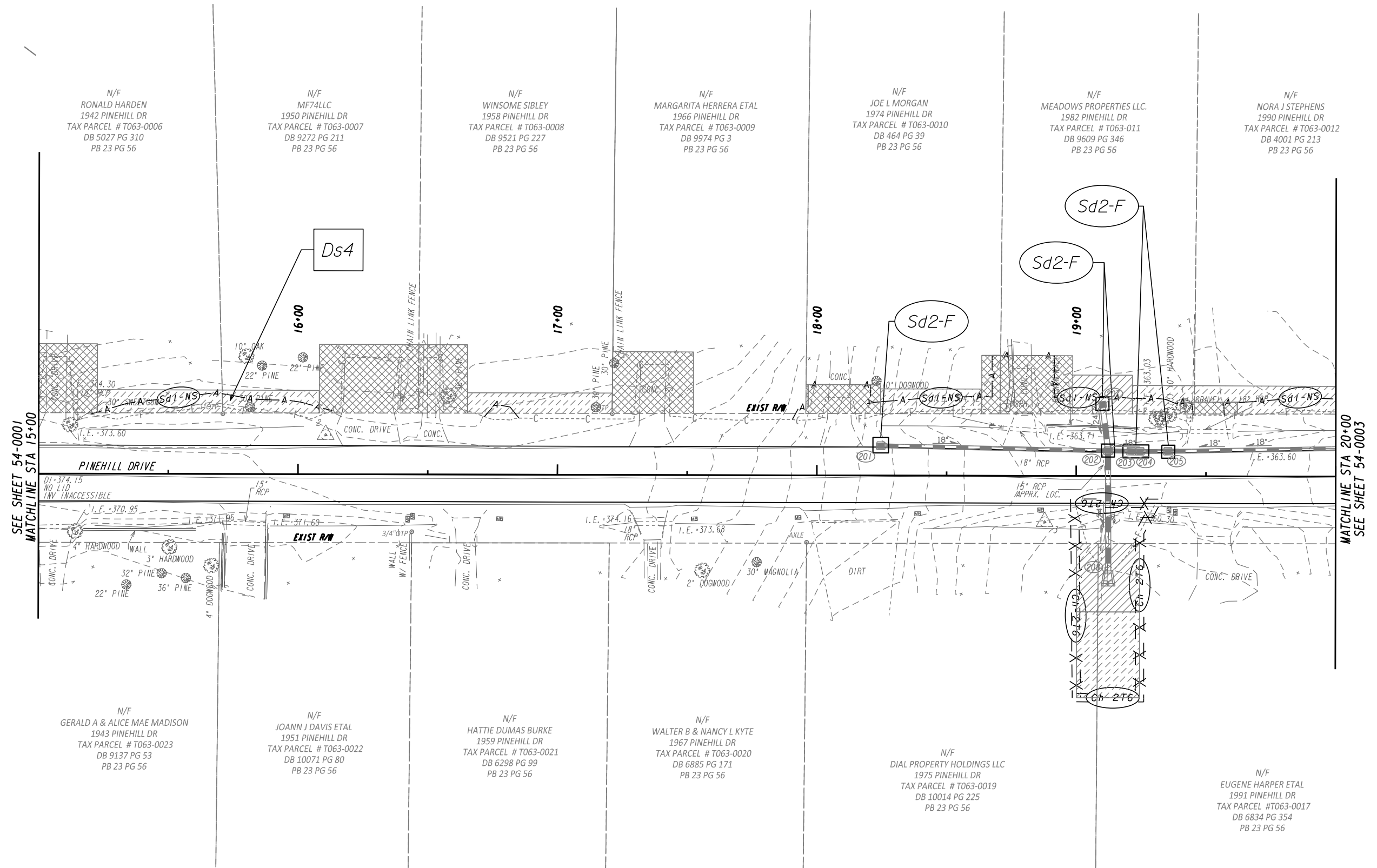


MATCHLINE STA 15+00
SEE SHEET 54-0002



REVISION DATES		BMP LOCATION DETAILS	
		PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA	
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
		DRAWING No. 54-0001	

JUNE 2020



SEE SHEET 54-0001
MATCHLINE STA 15+00

MATCHLINE STA 20+00
SEE SHEET 54-0003

N/F
RONALD HARDEN
1942 PINEHILL DR
TAX PARCEL # T063-0006
DB 5027 PG 310
PB 23 PG 56

N/F
MF74LLC
1950 PINEHILL DR
TAX PARCEL # T063-0007
DB 9272 PG 211
PB 23 PG 56

N/F
WINSOME SIBLEY
1958 PINEHILL DR
TAX PARCEL # T063-0008
DB 9521 PG 227
PB 23 PG 56

N/F
MARGARITA HERRERA ETAL
1966 PINEHILL DR
TAX PARCEL # T063-0009
DB 9974 PG 3
PB 23 PG 56

N/F
JOE L MORGAN
1974 PINEHILL DR
TAX PARCEL # T063-0010
DB 464 PG 39
PB 23 PG 56

N/F
MEADOWS PROPERTIES LLC
1982 PINEHILL DR
TAX PARCEL # T063-011
DB 9609 PG 346
PB 23 PG 56

N/F
NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

N/F
GERALD A & ALICE MAE MADISON
1943 PINEHILL DR
TAX PARCEL # T063-0023
DB 9137 PG 53
PB 23 PG 56

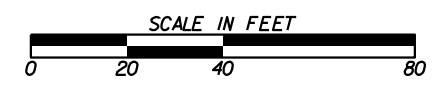
N/F
JOANN J DAVIS ETAL
1951 PINEHILL DR
TAX PARCEL # T063-0022
DB 10071 PG 80
PB 23 PG 56

N/F
HATTIE DUMAS BURKE
1959 PINEHILL DR
TAX PARCEL # T063-0021
DB 6298 PG 99
PB 23 PG 56

N/F
WALTER B & NANCY L KYTE
1967 PINEHILL DR
TAX PARCEL # T063-0020
DB 6885 PG 171
PB 23 PG 56

N/F
DIAL PROPERTY HOLDINGS LLC
1975 PINEHILL DR
TAX PARCEL # T063-0019
DB 10014 PG 225
PB 23 PG 56

N/F
EUGENE HARPER ETAL
1991 PINEHILL DR
TAX PARCEL # T063-0017
DB 6834 PG 354
PB 23 PG 56



REVISION DATES	

BMP LOCATION DETAILS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
DATE: 02/19/2019		DRAWING No.	
CHECKED: ADS	DATE: 06/04/2019	54-0002	
BACKCHECKED: TKS	DATE: 06/04/2019		
CORRECTED: MRW	DATE: 06/04/2019		
VERIFIED: ADS	DATE: 06/05/2019	JUNE 2020	

N/F
NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

N/F
GLADYS O ANTHONY
1998 PINEHILL DR
TAX PARCEL # T063-0013
DB 3092, PG 213
PB 23 PG 56

N/F
BAE PROPERTIES LLC
2006 PINEHILL DR
TAX PARCEL # T063-0014
DB 10153 PG 178
PB 22 PG 79

N/F
JR MCCOOK JR.
2014 PINEHILL DR
TAX PARCEL # T064-0001
DB 2299 PG 162
PB 23 PG 56

N/F
JEFF & PATRICIA ANNE JAMES
2022 PINEHILL DR
TAX PARCEL # T064-0002
DB 8135 PG 92
PB 23 PG 56

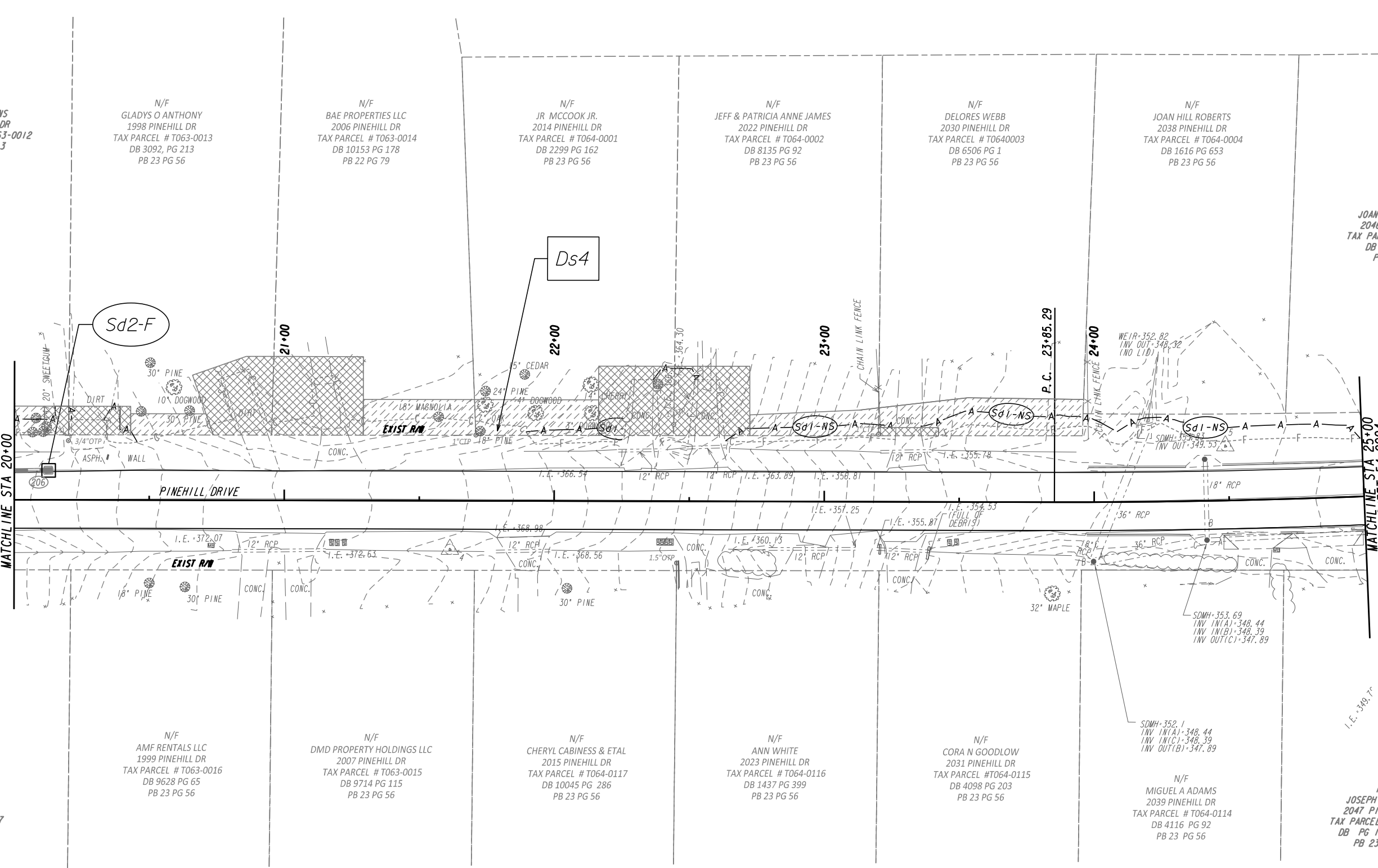
N/F
DELORES WEBB
2030 PINEHILL DR
TAX PARCEL # T0640003
DB 6506 PG 1
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2038 PINEHILL DR
TAX PARCEL # T064-0004
DB 1616 PG 653
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2046 PINEHILL DR
TAX PARCEL # T064-0005
DB 1616 PG 653
PB 23 PG 56

SEE SHEET 54-0002
MATCHLINE STA 20+00

MATCHLINE STA 25+00
SEE SHEET 54-0004



N/F
EUGENE HARPER ETAL
1991 PINEHILL DR
TAX PARCEL # T063-0017
DB 6834 PG 354
PB 23 PG 56

N/F
AMF RENTALS LLC
1999 PINEHILL DR
TAX PARCEL # T063-0016
DB 9628 PG 65
PB 23 PG 56

N/F
DMD PROPERTY HOLDINGS LLC
2007 PINEHILL DR
TAX PARCEL # T063-0015
DB 9714 PG 115
PB 23 PG 56

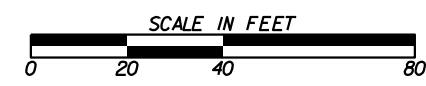
N/F
CHERYL CABINESS & ETAL
2015 PINEHILL DR
TAX PARCEL # T064-0117
DB 10045 PG 286
PB 23 PG 56

N/F
ANN WHITE
2023 PINEHILL DR
TAX PARCEL # T064-0116
DB 1437 PG 399
PB 23 PG 56

N/F
CORA N GOODLOW
2031 PINEHILL DR
TAX PARCEL # T064-0115
DB 4098 PG 203
PB 23 PG 56

N/F
MIGUEL A ADAMS
2039 PINEHILL DR
TAX PARCEL # T064-0114
DB 4116 PG 92
PB 23 PG 56

N/F
JOSEPH S FINNEY
2047 PINEHILL DR
TAX PARCEL # T064-0113
DB PG 1456 PG 266
PB 23 PG 56



REVISION DATES

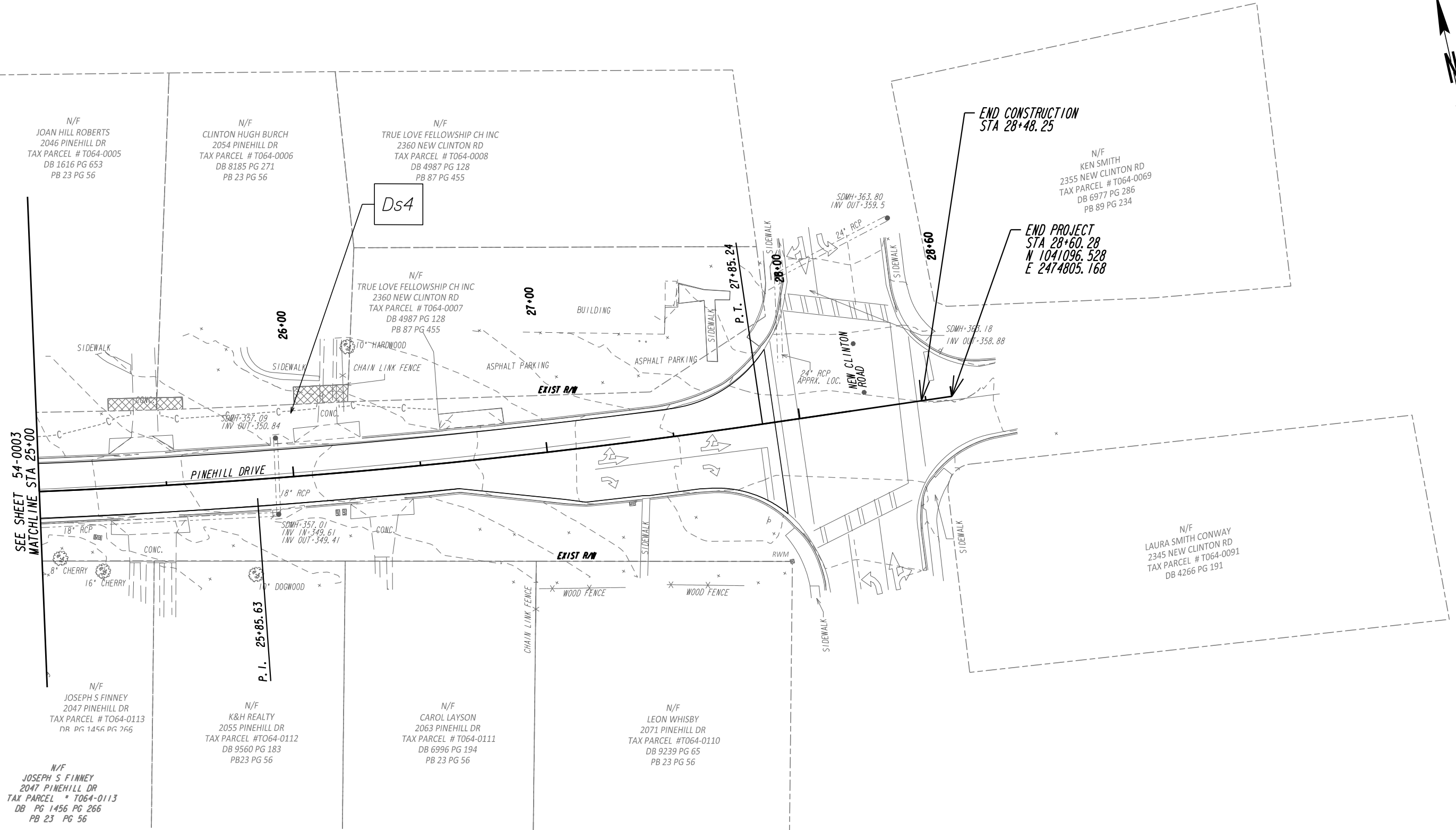
BMP LOCATION DETAILS

PINEHILL DRIVE
SIDEWALK IMPROVEMENTS
MACON-BIBB COUNTY, GEORGIA

JUNE 2020

CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019

DRAWING No. 54-0003



SEE SHEET 54-0003
MATCHLINE STA 25+00

END CONSTRUCTION
STA 28+48.25

END PROJECT
STA 28+60.28
N 1041096.528
E 2474805.168

N/F
JOAN HILL ROBERTS
2046 PINEHILL DR
TAX PARCEL # T064-0005
DB 1616 PG 653
PB 23 PG 56

N/F
JOSEPH S FINNEY
2047 PINEHILL DR
TAX PARCEL # T064-0113
DR PG 1456 PG 266

N/F
JOSEPH S FINNEY
2047 PINEHILL DR
TAX PARCEL # T064-0113
DB PG 1456 PG 266
PB 23 PG 56

N/F
CLINTON HUGH BURCH
2054 PINEHILL DR
TAX PARCEL # T064-0006
DB 8185 PG 271
PB 23 PG 56

N/F
K&H REALTY
2055 PINEHILL DR
TAX PARCEL # T064-0112
DB 9560 PG 183
PB 23 PG 56

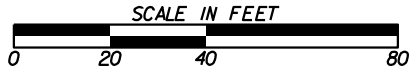
N/F
TRUE LOVE FELLOWSHIP CH INC
2360 NEW CLINTON RD
TAX PARCEL # T064-0008
DB 4987 PG 128
PB 87 PG 455

N/F
CAROL LAYSON
2063 PINEHILL DR
TAX PARCEL # T064-0111
DB 6996 PG 194
PB 23 PG 56

N/F
LEON WHISBY
2071 PINEHILL DR
TAX PARCEL # T064-0110
DB 9239 PG 65
PB 23 PG 56

N/F
KEN SMITH
2355 NEW CLINTON RD
TAX PARCEL # T064-0069
DB 6977 PG 286
PB 89 PG 234

N/F
LAURA SMITH CONWAY
2345 NEW CLINTON RD
TAX PARCEL # T064-0091
DB 4266 PG 191



REVISION DATES	

BMP LOCATION DETAILS			
PINEHILL DRIVE SIDEWALK IMPROVEMENTS MACON-BIBB COUNTY, GEORGIA			
JUNE 2020			
CHECKED:	ADS	DATE:	02/19/2019
BACKCHECKED:	TKS	DATE:	06/04/2019
CORRECTED:	MRM	DATE:	06/04/2019
VERIFIED:	ADS	DATE:	06/05/2019
DRAWING No.			54-0004

N/F
GALEY PROPERTIES LLC
1928 SHURLING DR
TAX PARCEL # T061-0105
DB 10063 PG 167
PB 58 PG 32

BEGIN PROJECT
STA 10+00.00
N 1041465.100
E 2472983.592

BEGIN CONSTRUCTION
STA 10+18.07

N/F
MICHAEL D. & NANCY B. MCBREARTY
1931 SHURLING DR
TAX PARCEL # T063-0003
DB 1493 PG 327
PB 24 PG 22

N/F
MARIE SMITH
1926 PINEHILL DR
TAX PARCEL # T063-00023
DB 7617 PG 1
PB 23 PG 56

N/F
MARIE SMITH
1926 PINEHILL DR
TAX PARCEL # T063-0004
DB 7617 PG 1
PB 23 PG 56

N/F
RONALD E & SANDRAK WEIDNER
1934 PINEHILL DR
TAX PARCEL # T063-0005
DB 9178 PG 201
PB 23 PG 56

N/F
RONALD HARDEN
1942 PINEHILL DR
TAX PARCEL # T063-0006
DB 5027 PG 310
PB 23 PG 56

SHURLING DRIVE/6A.49

BEGIN R/W ACQUISITION
STA 11+48.76
N. 1041433.851
E. 2473129.049

N/F
SCHREIBER CO & SHURLINGTON PLAZA
1897 SHURLING DR
TAX PARCEL # T063-0247
DB 2770 PG 71
PB 80 PG 30

N/F
SCHREIBER CO & SHURLINGTON PLAZA
1701 SHURLING DR
TAX PARCEL # T063-0028
DB 2770 PG 71
PB 80 PG 30

N/F
GEORGE W & MILDRED MORRIS
TAX PARCEL #
1911 PINEHILL DR
T063-0027
DB 1709 PG 680
PB 24 PG 22

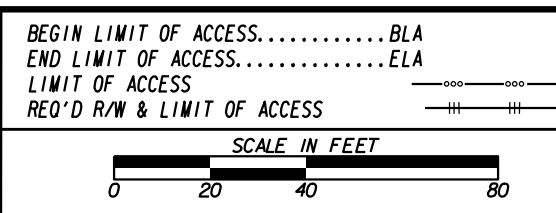
N/F
JOYCE JACKSON HUDSON
1919 PINEHILL DR
TAX PARCEL # T063-0026
DB 1520 PG 442
PB 23 PG 56

N/F
JOYCE JACKSON HUDSON
1927 PINEHILL DR
TAX PARCEL # T063-0025
DB 4215 PG 236
PB 23 PG 56

N/F
CAROL LAYSON
1935 PINEHILL DR
TAX PARCEL # T063-0024
DB 6996 PG 194
PB 24 PG 22



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



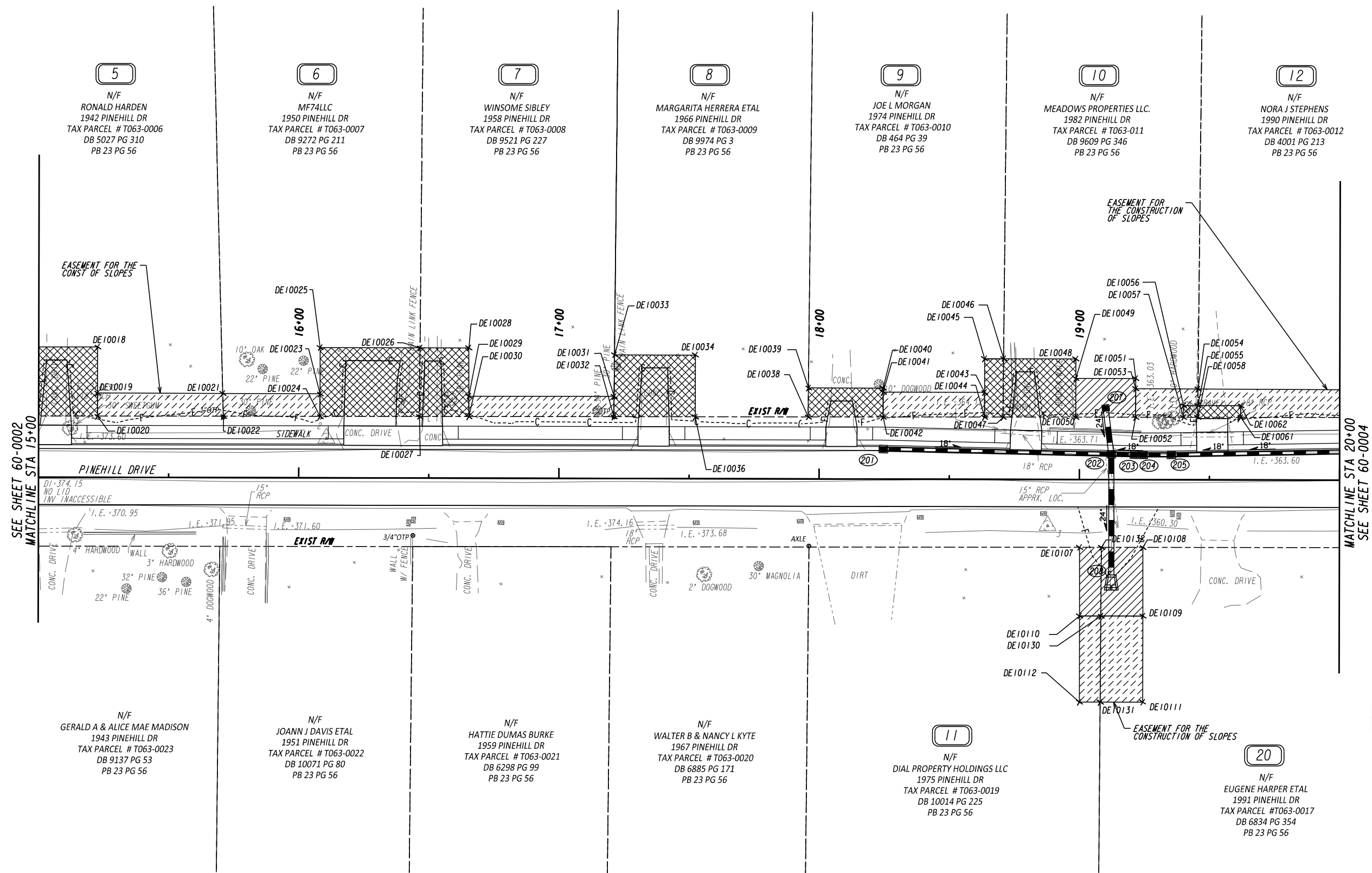
DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS	DATE	REVISIONS

MACON-BIBB COUNTY
ENGINEERING DEPARTMENT
RIGHT OF WAY MAP
PROJECT: PINEHILL DR. SIDEWALK IMPROVEMENTS
COUNTY: BIBB
LAND LOT NO:
LAND DISTRICT:
GMD
DATE SH OF
DRAWING No.
60-0002

MATCHLINE STA 15+00
SEE SHEET 60-0003





SEE SHEET 60-0002
MATCHLINE STA 15+00

MATCHLINE STA 20+00
SEE SHEET 60-0004



PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	///
EASEMENT FOR CONSTR OF SLOPES	///
EASEMENT FOR CONSTR OF DRIVES	///

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---

SCALE IN FEET

0 20 40 80

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS

MACON-BIBB COUNTY
ENGINEERING DEPARTMENT

RIGHT OF WAY MAP

PROJECT: PINEHILL DR. SIDEWALK IMPROVEMENTS
COUNTY: BIBB
LAND LOT NO:
LAND DISTRICT:
GMD
DATE SH OF

DRAWING No.
60-0003

12
N/F
NORA J STEPHENS
1990 PINEHILL DR
TAX PARCEL # T063-0012
DB 4001 PG 213
PB 23 PG 56

13
N/F
GLADYS O ANTHONY
1998 PINEHILL DR
TAX PARCEL # T063-0013
DB 3092, PG 213
PB 23 PG 56

14
N/F
BAE PROPERTIES LLC
2006 PINEHILL DR
TAX PARCEL # T063-0014
DB 10153 PG 178
PB 22 PG 79

15
N/F
JR MCCOOK JR.
2014 PINEHILL DR
TAX PARCEL # T064-0001
DB 2299 PG 162
PB 23 PG 56

16
N/F
JEFF & PATRICIA ANNE JAMES
2022 PINEHILL DR
TAX PARCEL # T064-0002
DB 8135 PG 92
PB 23 PG 56

17
N/F
DELORES WEBB
2030 PINEHILL DR
TAX PARCEL # T0640003
DB 6506 PG 1
PB 23 PG 56

N/F
JOAN HILL ROBERTS
2038 PINEHILL DR
TAX PARCEL # T064-0004
DB 1616 PG 653
PB 23 PG 56

19
N/F
JOAN HILL ROBERTS
2046 PINEHILL DR
TAX PARCEL # T064-0005
DB 1616 PG 653
PB 23 PG 56

N/F
EUGENE HARPER ETAL
1991 PINEHILL DR
TAX PARCEL # T063-0017
DB 6834 PG 354
PB 23 PG 56

N/F
AMF RENTALS LLC
1999 PINEHILL DR
TAX PARCEL # T063-0016
DB 9628 PG 65
PB 23 PG 56

N/F
DMD PROPERTY HOLDINGS LLC
2007 PINEHILL DR
TAX PARCEL # T063-0015
DB 9714 PG 115
PB 23 PG 56

N/F
CHERYL CABINESS & ETAL
2015 PINEHILL DR
TAX PARCEL # T064-0117
DB 10045 PG 286
PB 23 PG 56

N/F
ANN WHITE
2023 PINEHILL DR
TAX PARCEL # T064-0116
DB 1437 PG 399
PB 23 PG 56

N/F
CORA N GOODLOW
2031 PINEHILL DR
TAX PARCEL # T064-0115
DB 4098 PG 203
PB 23 PG 56

N/F
MIGUEL A ADAMS
2039 PINEHILL DR
TAX PARCEL # T064-0114
DB 4116 PG 92
PB 23 PG 56

N/F
JOSEPH S FINNEY
2047 PINEHILL DR
TAX PARCEL # T064-0113
DB PG 1456 PG 266
PB 23 PG 56

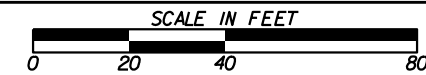
SEE SHEET 60-0003
MATCHLINE STA 20+00

MATCHLINE STA 25+00
SEE SHEET 60-0005



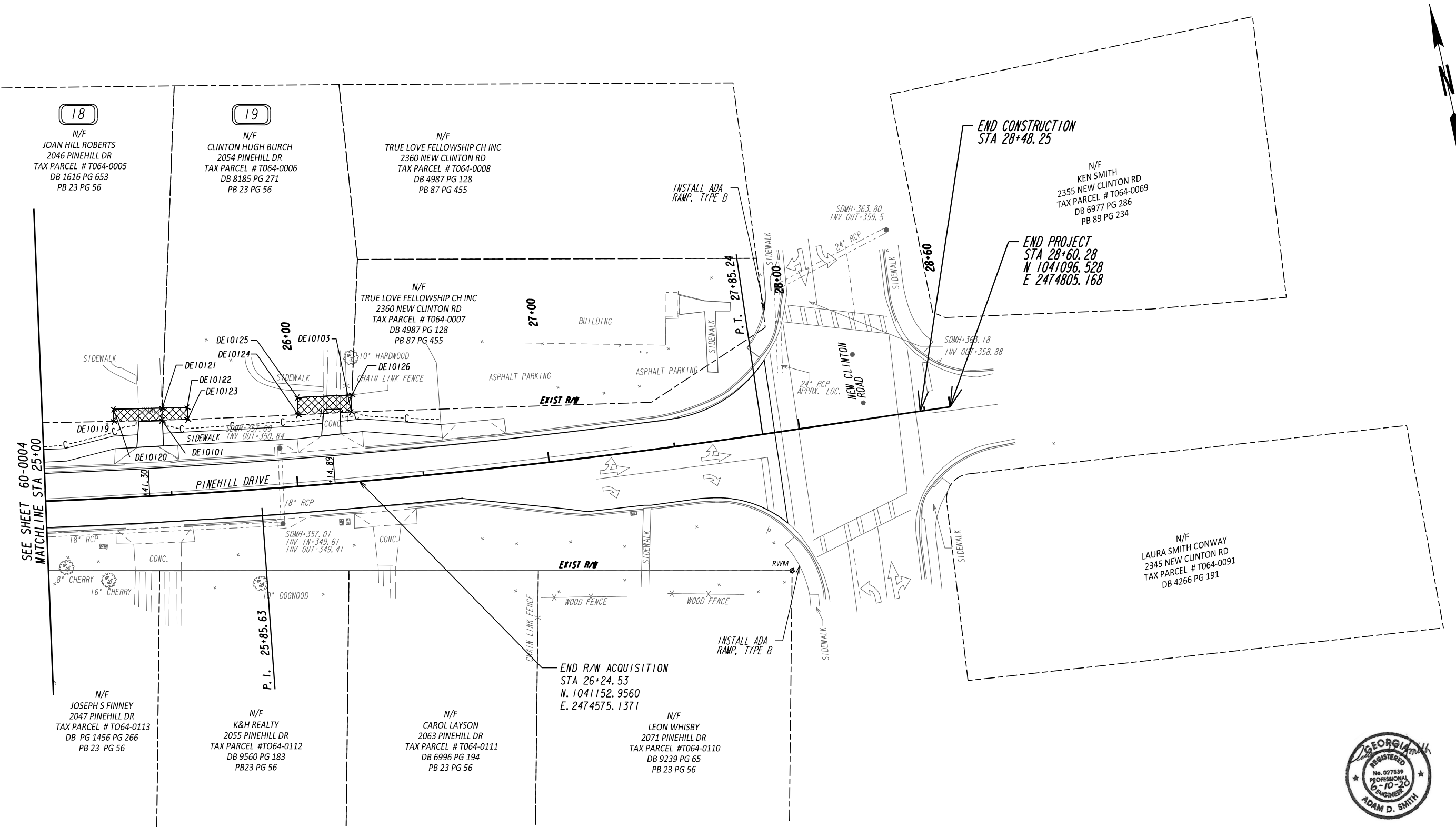
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

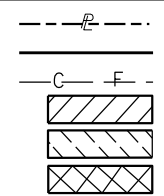


DATE	REVISIONS	DATE	REVISIONS

MACON-BIBB COUNTY
ENGINEERING DEPARTMENT
RIGHT OF WAY MAP
PROJECT: PINEHILL DR. SIDEWALK IMPROVEMENTS
COUNTY: BIBB
LAND LOT NO:
LAND DISTRICT:
GMD
DATE SH OF 60-0004



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET
 0 20 40 80

DATE	REVISIONS	DATE	REVISIONS

DATE	REVISIONS

MACON-BIBB COUNTY
 ENGINEERING DEPARTMENT

RIGHT OF WAY MAP

PROJECT: PINEHILL DR. SIDEWALK IMPROVEMENTS
 COUNTY: BIBB
 LAND LOT NO:
 LAND DISTRICT:
 GMD
 DATE SH OF

DRAWING No.
60-0005

PAR 1 TESMT REQ'D TEMP. EASM'T. DE1

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10000 to DE10003 with stationing and alignment details.

PAR 2 TESMT REQ'D TEMP. EASM'T. DE2

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10003 to DE10003 with stationing and alignment details.

PAR 3 TESMT REQ'D TEMP. EASM'T. DE3

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10006 to DE10006 with stationing and alignment details.

PAR 3 DWESMT REQ'D DRWY. EASM'T. DE4

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10008 to DE10008 with stationing and alignment details.

PAR 4 TESMT REQ'D TEMP. EASM'T. DE6

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10012 to DE10012 with stationing and alignment details.

PAR 4 TRACT 1 REQ'D DRWY. EASM'T. DE5

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10114 to DE10114 with stationing and alignment details.

PAR 4 TRACT 2 REQ'D DRWY. EASM'T. DE7

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10014 to DE10014 with stationing and alignment details.

PAR 5 TESMT REQ'D TEMP. EASM'T. DE9

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10020 to DE10020 with stationing and alignment details.

PAR 5 DWESMT REQ'D DRWY. EASM'T. DE8

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10017 to DE10017 with stationing and alignment details.

PAR 6 TESMT REQ'D TEMP. EASM'T. DE10

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10022 to DE10022 with stationing and alignment details.

PAR 6 DWESMT REQ'D DRWY. EASM'T. DE11

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10024 to DE10024 with stationing and alignment details.

PAR 7 TESMT REQ'D TEMP. EASM'T. DE13

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10030 to DE10030 with stationing and alignment details.

PAR 7 DWESMT REQ'D DRWY. EASM'T. DE12

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10027 to DE10027 with stationing and alignment details.

PAR 8 DWESMT REQ'D DRWY. EASM'T. DE14

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10032 to DE10032 with stationing and alignment details.

PAR 9 TESMT REQ'D TEMP. EASM'T. DE17

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10042 to DE10042 with stationing and alignment details.

PAR 9 TRACT 1 REQ'D DRWY. EASM'T. DE16

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10038 to DE10038 with stationing and alignment details.

PAR 9 TRACT 2 REQ'D DRWY. EASM'T. DE18

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10044 to DE10044 with stationing and alignment details.

PAR 10 PESMT REQ'D EASM'T. DE20

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10050 to DE10050 with stationing and alignment details.

PAR 10 TESMT REQ'D TEMP. EASM'T. DE21

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10052 to DE10052 with stationing and alignment details.

PAR 10 TRACT 1 REQ'D DRWY. EASM'T. DE19

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10047 to DE10047 with stationing and alignment details.

PAR 10 TRACT 2 REQ'D DRWY. EASM'T. DE22

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10057 to DE10057 with stationing and alignment details.

PAR 11 PESMT REQ'D PERM. EASM'T. DE23

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10107 to DE10107 with stationing and alignment details.

PAR 11 TESMT REQ'D TEMP. EASM'T. DE24

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10110 to DE10110 with stationing and alignment details.

PAR 12 TESMT REQ'D TEMP. EASM'T. DE25

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10055 to DE10055 with stationing and alignment details.

PAR 12 TRACT 1 REQ'D DRWY. EASM'T. DE26

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10058 to DE10058 with stationing and alignment details.

PAR 12 TRACT 2 REQ'D DRWY. EASM'T. DE27

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10060 to DE10060 with stationing and alignment details.

PAR 13 TESMT REQ'D TEMP. EASM'T. DE30

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10066 to DE10066 with stationing and alignment details.

PAR 13 TRACT 1 REQ'D DRWY. EASM'T. DE28

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10064 to DE10064 with stationing and alignment details.

PAR 13 TRACT 2 REQ'D DRWY. EASM'T. DE29

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10069 to DE10069 with stationing and alignment details.

PAR 14 TESMT REQ'D TEMP. EASM'T. DE32

Table with 4 columns: PNT, OFFSET/, STATION/, ALIGNMENT. Rows include DE10075 to DE10075 with stationing and alignment details.

PAR 14 DWESMT REQ'D DRWY. EASM'T. DE31

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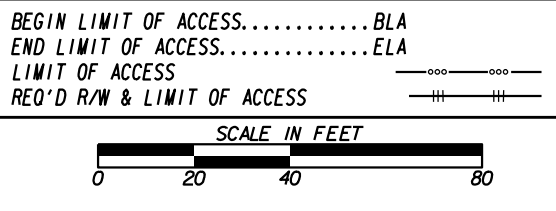
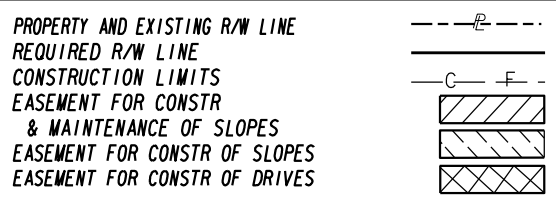


Table with 2 columns: DATE, REVISIONS. Multiple empty rows for recording changes.

Table with 2 columns: DATE, REVISIONS. Multiple empty rows for recording changes.

MACON-BIBB COUNTY ENGINEERING DEPARTMENT RIGHT OF WAY MAP PROJECT: PINEHILL DR. SIDEWALK IMPROVEMENTS COUNTY: BIBB LAND LOT NO.: GMD DATE SH OF DRAWING No. 60-0006



PAR 15 TESWT REQ'D TEMP. EASW'T. DE33

PNT	OFFSET/	STATION/	ALIGNMENT
DE10078	24.24 L	21+70.94	Pinehill Drive Baseline
DE10077	37.51 L	21+70.41	Pinehill Drive Baseline
DE10079	37.53 L	22+16.37	Pinehill Drive Baseline
DE10080	24.29 L	22+16.38	Pinehill Drive Baseline
DE10078	24.24 L	21+70.94	Pinehill Drive Baseline

REQD EASWT AREA = 605.50 SF

PAR 15 DWESWT REQ'D DRWY. EASW'T. DE34

PNT	OFFSET/	STATION/	ALIGNMENT
DE10080	24.29 L	22+16.38	Pinehill Drive Baseline
DE10081	50.03 L	22+16.36	Pinehill Drive Baseline
DE10082	50.05 L	22+44.47	Pinehill Drive Baseline
DE10083	24.33 L	22+44.16	Pinehill Drive Baseline
DE10080	24.29 L	22+16.38	Pinehill Drive Baseline

PAR 16 TESWT REQ'D TEMP. EASW'T. DE36

PNT	OFFSET/	STATION/	ALIGNMENT
DE10085	24.36 L	22+72.38	Pinehill Drive Baseline
DE10086	32.08 L	22+72.38	Pinehill Drive Baseline
DE10115	33.96 L	23+12.99	Pinehill Drive Baseline
DE10087	34.79 L	23+20.11	Pinehill Drive Baseline
DE10089	24.42 L	23+20.03	Pinehill Drive Baseline
DE10085	24.36 L	22+72.38	Pinehill Drive Baseline

REQD EASWT AREA = 421.16 SF

PAR 16 DWESWT REQ'D DRWY. EASW'T. DE35

PNT	OFFSET/	STATION/	ALIGNMENT
DE10083	24.33 L	22+44.16	Pinehill Drive Baseline
DE10082	50.05 L	22+44.47	Pinehill Drive Baseline
DE10084	50.06 L	22+72.38	Pinehill Drive Baseline
DE10085	24.36 L	22+72.38	Pinehill Drive Baseline
DE10083	24.33 L	22+44.16	Pinehill Drive Baseline

PAR 17 TESWT REQ'D TEMP. EASW'T. DE37

PNT	OFFSET/	STATION/	ALIGNMENT
DE10094	24.48 L	23+42.30	Pinehill Drive Baseline
DE10095	27.54 L	23+42.29	Pinehill Drive Baseline
DE10088	27.54 L	23+20.05	Pinehill Drive Baseline
DE10087	34.79 L	23+20.11	Pinehill Drive Baseline
DE10090	38.62 L	23+52.99	Pinehill Drive Baseline
DE10091	38.09 L	23+96.13	Pinehill Drive Baseline
DE10093	24.60 L	23+95.68	Pinehill Drive Baseline
DE10094	24.48 L	23+42.30	Pinehill Drive Baseline

REQD EASWT AREA = 924.91 SF

PAR 17 DWESWT REQ'D DRWY. EASW'T. DE38

PNT	OFFSET/	STATION/	ALIGNMENT
DE10089	24.42 L	23+20.03	Pinehill Drive Baseline
DE10088	27.54 L	23+20.05	Pinehill Drive Baseline
DE10095	27.54 L	23+42.29	Pinehill Drive Baseline
DE10094	24.48 L	23+42.30	Pinehill Drive Baseline
DE10089	24.42 L	23+20.03	Pinehill Drive Baseline

PAR 18 DWESWT REQ'D DRWY. EASW'T. DE41

PNT	OFFSET/	STATION/	ALIGNMENT
DE10119	30.33 L	25+28.61	Pinehill Drive Baseline
DE10120	35.17 L	25+28.75	Pinehill Drive Baseline
DE10121	34.54 L	25+48.25	Pinehill Drive Baseline
DE10101	29.76 L	25+47.78	Pinehill Drive Baseline

ARC LENGTH = 18.97
 CHORD BEAR = N 78°43'40.8" W
 LNTH CHORD = 18.97
 RADIUS = 4427.59
 DEGREE = 1°17'38.6"
 DE10119 30.33 L 25+28.61 Pinehill Drive Baseline

PAR 19 TRACT 1 REQ'D DRWY. EASW'T. DE43

PNT	OFFSET/	STATION/	ALIGNMENT
DE10101	29.76 L	25+47.78	Pinehill Drive Baseline
DE10121	34.54 L	25+48.25	Pinehill Drive Baseline
DE10122	34.16 L	25+58.29	Pinehill Drive Baseline
DE10123	29.48 L	25+58.16	Pinehill Drive Baseline

ARC LENGTH = 10.27
 CHORD BEAR = N 79°14'28.7" W
 LNTH CHORD = 10.27
 RADIUS = 3201.53
 DEGREE = 1°47'22.7"
 DE10101 29.76 L 25+47.78 Pinehill Drive Baseline

PAR 19 TRACT 2 REQ'D DRWY. EASW'T. DE45

PNT	OFFSET/	STATION/	ALIGNMENT
DE10124	28.23 L	26+02.40	Pinehill Drive Baseline
DE10125	35.07 L	26+02.61	Pinehill Drive Baseline
DE10126	34.34 L	26+24.53	Pinehill Drive Baseline
DE10103	27.59 L	26+23.66	Pinehill Drive Baseline

ARC LENGTH = 21.06
 CHORD BEAR = N 80°18'18.5" W
 LNTH CHORD = 21.06
 RADIUS = 3201.53
 DEGREE = 1°47'22.7"
 DE10124 28.23 L 26+02.40 Pinehill Drive Baseline

PAR 20 PESWT REQ'D PERM. EASW'T. DE46

PNT	OFFSET/	STATION/	ALIGNMENT
DE10132	26.07 R	19+08.59	Pinehill Drive Baseline
	15.90	S 77°17'20.2" E	
DE10108	26.05 R	19+24.49	Pinehill Drive Baseline
	26.38	S 12°38'16.6" W	
DE10109	52.43 R	19+24.55	Pinehill Drive Baseline
	16.11	N 77°13'17.3" W	
DE10130	52.43 R	19+08.44	Pinehill Drive Baseline
	26.37	N 13°06'14.9" E	
DE10132	26.07 R	19+08.59	Pinehill Drive Baseline

REQD EASWT = 422.19 SF
 REQD EASWT = 0.010 ACRES

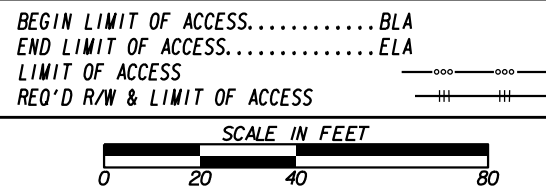
PAR 20 TESWT REQ'D TEMP. EASW'T. DE47

PNT	OFFSET/	STATION/	ALIGNMENT
DE10130	52.43 R	19+08.44	Pinehill Drive Baseline
DE10109	52.43 R	19+24.55	Pinehill Drive Baseline
DE10111	85.49 R	19+24.57	Pinehill Drive Baseline
DE10131	85.50 R	19+08.25	Pinehill Drive Baseline
DE10130	52.43 R	19+08.44	Pinehill Drive Baseline

REQD EASWT AREA = 536.25 SF



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES



DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO:
 COUNTY:
 LAND LOT NO:
 LAND DISTRICT:
 GMD
 DATE SH OF

DRAWING No.
60-0007