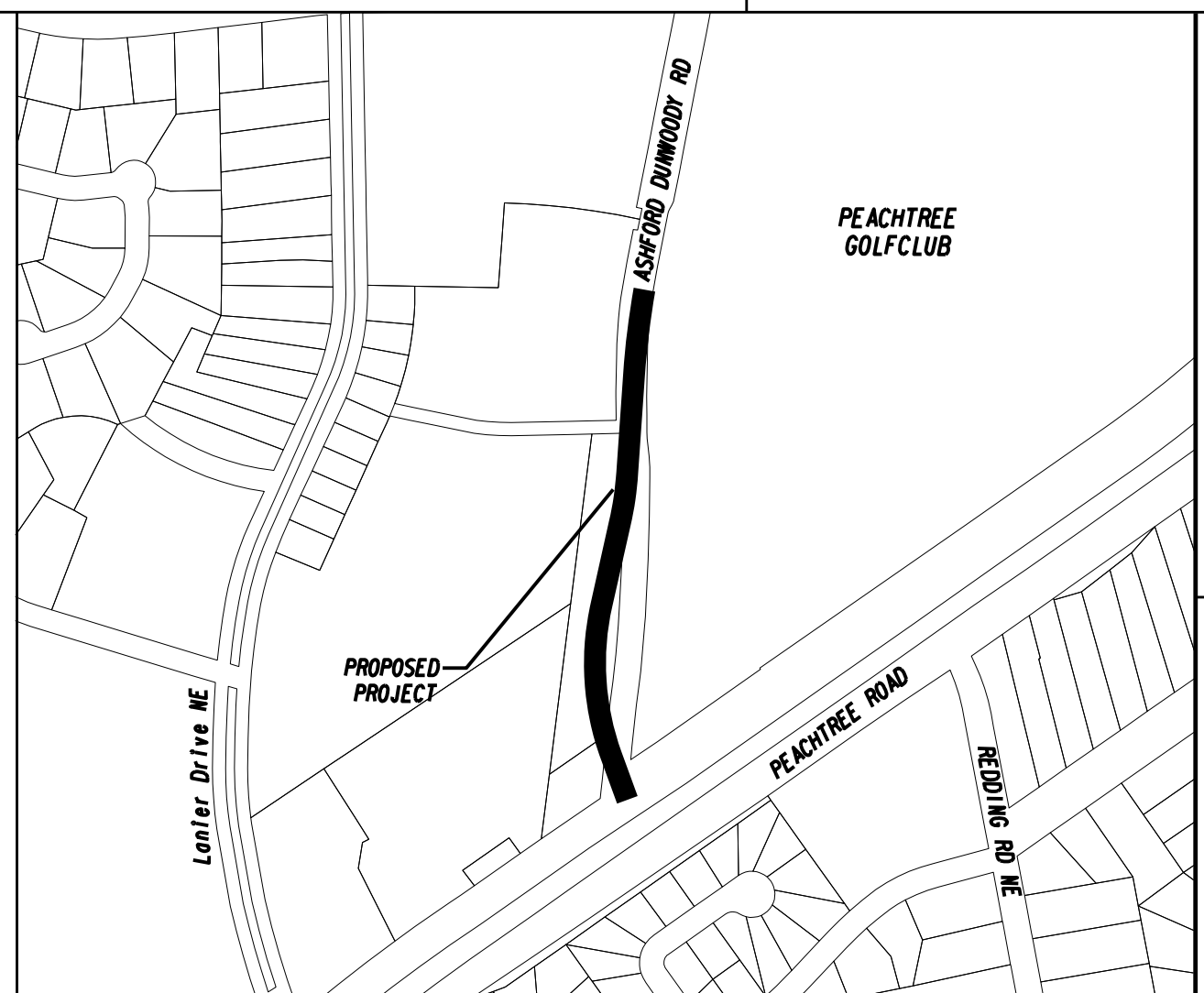
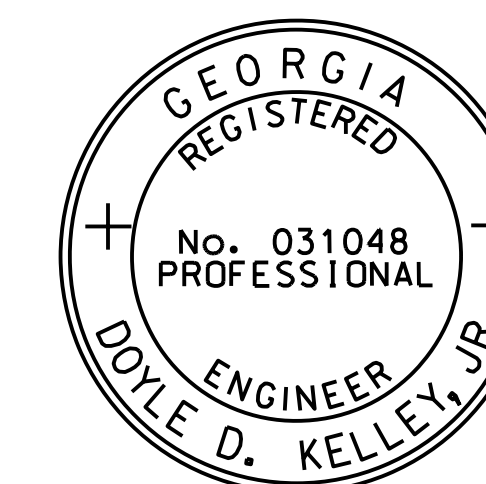
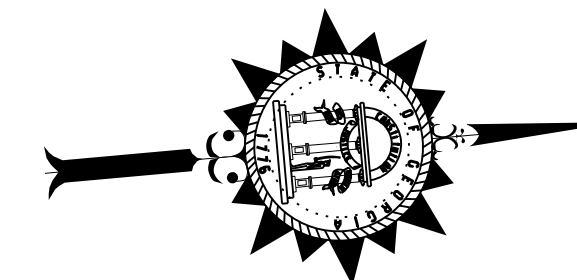


# ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT PROJECT # MTOI

PREPARED FOR:  
THE CITY OF BROOKHAVEN  
DEKALB COUNTY

JOB NO. 27323.000



LOCATION SKETCH

DESIGN DATA:  
TRAFFIC A.D.T.: 14,900  
DIRECTIONAL DIST: 50/50  
% TRUCKS: 2%  
24 HR. TRUCKS %: 2%  
SPEED DESIGN: 40 MPH

FUNCTIONAL CLASS:  
PEACHTREE ROAD- PRINCIPAL ARTERIAL  
ASHFORD DUNWOODY ROAD - MINOR ARTERIAL  
THIS PROJECT IS 100% IN  
DEKALB COUNTY AND IS  
100% IN CONG. DIST. NO. 06.

PROJECT DESIGNATION:  
DESIGNED IN ENGLISH UNITS.

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

DISTURBED AREA = 3.33 AC.

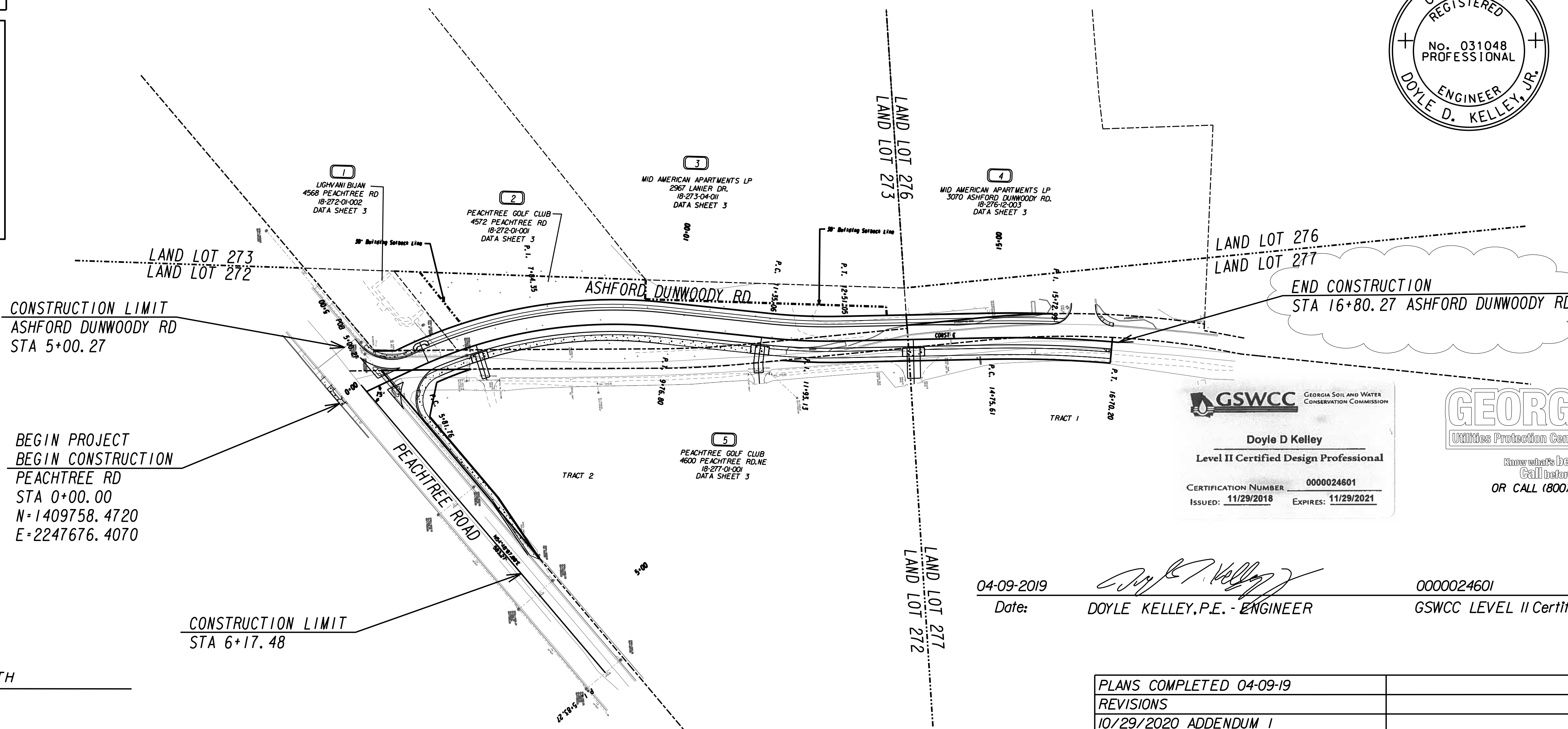
24 HOUR CONTACT:

BROOKHAVEN DEPARTMENT OF PUBLIC WORKS- KEVIN KORTH  
Name

CITY OF BROOKHAVEN DEKALB COUNTY, GEORGIA 30319  
City, State Zip

(404) 637-0540 kevin.korth@brookhavenga.gov  
Phone Number Email

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 CITY OF  
OF BROOKHAVEN IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO  
SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

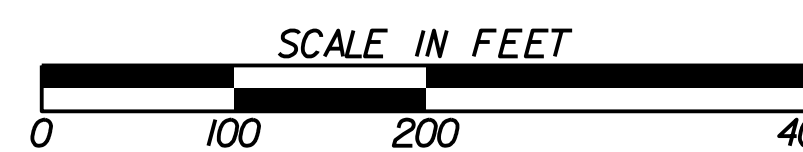


**GSWCC** Georgia Soil and Water Conservation Commission  
Doyle D Kelley  
Level II Certified Design Professional  
CERTIFICATION NUMBER: 0000024601  
ISSUED: 11/29/2018 EXPIRES: 11/29/2021

**GEORGIA811**  
Utilities Protection Center, Inc.  
Know what's below.  
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OR CALL (800) 282-7411

04-09-2019 Date: Doyle Kelley, P.E. - ENGINEER 0000024601 GSWCC LEVEL II Certification Number

LENGTH OF PROJECT	
NET LENGTH OF ROADWAY	0.326
NET LENGTH OF BRIDGES	0.0
NET LENGTH OF PROJECT	0.318
NET LENGTH OF EXCEPTIONS	0.0
GROSS LENGTH OF PROJECT	0.326



**THOMAS & HUTTON**  
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Atlanta, GA 30341 • 470.893.1698  
www.thomasonhutton.com  
Charleston, SC | Columbia, SC | Myrtle Beach, SC | Savannah, GA | Brunswick, GA

PLANS COMPLETED 04-09-19	
REVISIONS	
10/29/2020 ADDENDUM 1	

DRAWING No.  
01-0001



**PROJECT GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF BROOKHAVEN ORDINANCES.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.
- RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. CONTRACTOR TO NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF SUCH MATERIAL.
- STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- ALL EXISTING PIPES AND DRAINAGE STRUCTURES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, AGGREGATE SURFACE COURSE, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC., REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER.
- NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING OR ANY OTHER OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION OR TRAFFIC MAINTENANCE AND SHALL BE INCLUDED IN PRICE BID FOR "TRAFFIC CONTROL".
- ALL CUT AND FILL SLOPES SHALL BE GRASSED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
- REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
- ALL FIRE HYDRANTS, WATER VALVES, AND WATER METERS SHALL BE ADJUSTED TO GRADE AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- SPRINKLER SYSTEMS TO BE HANDLED AS FOLLOWS:  
 CASE 1 - SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED.  
 CASE 2- SYSTEMS SHOWN BY THE PLANS TO BE REMOVED AND RELOCATED SHALL BE RELOCATED TO THE BACK OF THE SIDEWALK. COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- LEVEL D PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED. THERE ARE NO UST'S OR MONITORING WELLS WITHIN ANY EXISTING OR PROPOSED RIGHT-OF-WAY AREAS.
- ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 101 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
- AN NOI. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 3.33 ACRES.
- CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.
- PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCN) SHALL BE INCLUDED IN TRAFFIC CONTROL.
- 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 THE CITY OF BROOKHAVEN.
- YELLOW DETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST.
- THE CONTRACTOR SHALL REMOVE AND RESET ALL HISTORIC AND BROOKHAVEN SIGNS UNLESS OTHERWISE NOTED AND THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BROOKHAVEN FOR STORAGE AND PLACEMENT OF SIGNS. PAYMENT FOR THIS SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL BE INCLUDED IN LUMP SUM BID FOR GRADING COMPLETE.

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

- ALL IT EMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGNS SHALL HAVE TYPE IX RETRO REFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
- IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
- EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER SHALL BE OBLITERATED BY THE CONTRACTOR BY HYDRO BLASTING AND SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES PLACED A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE CITY OF BROOKHAVEN. TYPE I AND II BARRICADES AND CONES SHALL NOT BE USED.
- REFLECTORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.
- ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.
- THE CITY OF BROOKHAVEN RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
- THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM THE CITY OF BROOKHAVEN A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE.
- ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
- INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):  
 (ROAD NAME) WILL BE CLOSED/TEMPORARY CLOSED STARTING (DATE) - ENDING (DATE)  
 THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK LETTERING ON WHITE BACKGROUND.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF BROOKHAVEN BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE TO THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
- DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. 1 1/4 INCHES OF 9.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

UTILITY OWNER	SERVICE	CONTACT NUMBERS
ATLANTA GAS LIGHT	NATURAL GAS	470-218-5996
AT&T TELECOM	COMMUNICATIONS	706-781-4453
AT&T TELECOM	COMMUNICATIONS	706-701-6081
COMCAST	COMMUNICATIONS	404-597-4353
COMCAST	COMMUNICATIONS	770-559-2126
DEKALB COUNTY WATER & SEWER	SEWER/WATER	678-614-9396
GOOGLE FIBER INC. TELECOM	COMMUNICATIONS	404-901-4529
GEORGIA POWER	ELECTRIC	404-947-0729
LEVEL 3 COMMUNICATIONS TELECOM	COMMUNICATIONS	877-366-8344
VERIZON BUISNESS TELECOM	COMMUNICATIONS	469-886-4218
VERIZON TELECOM	COMMUNICATIONS	470-304-9277
MARTA ELECTRIC	ELECTRIC BUSES	404-848-5000
MARTA	BUS STOP PLANNER	404-848-5697
ZAYO FIBER SOLUTIONS TELECOM	COMMUNICATIONS	470-249-5124

**UTILITY GENERAL NOTES**

- ADJUST ALL PROPOSED VALVES WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE
- ADJUST ALL MANHOLE COVERS WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE
- ALL MANHOLES LOCATED WITHIN ROADWAYS SHALL BE INSTALLED WITH CONCRETE COLLARS AND TRAFFIC RATED MANHOLE FRAMES AND COVERS AS PER DETAILS S-006 AND S-008.
- UNVENTED/SOLID MANHOLE COVERS ARE TO BE INSTALLED AT ALL LOCATIONS WITHIN THE PROJECT LIMITS.
- ADJUST OR RELOCATE WATER METERS AS NECESSARY. ANY METERS REQUIRING ADJUSTMENT OR RELOCATIONS MUST BE UPGRADED TO THE APPROVED METER AS PER DWM REQUIREMENTS. THIS REQUIRES THAT THE CONTRACTOR CONTACT DEKALB WATERSHED MANAGEMENT, ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION, IN ORDER TO OBTAIN AN APPROVED METER AND RETROFIT FOR WATER METER INSTALLATIONS WITHIN THE PROJECT LIMITS.
- FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY WATERSHED MANAGEMENT BEFORE CHANGES ARE IMPLEMENTED.
- DEKALB COUNTY WATERSHED STANDARDS ARE AVAILABLE ONLINE, FOR FREE, VIA: [HTTPS://WWW.DEKALBCOUNTYGA.GOV/WATERSHED-MANAGEMENT/OFFICE-ENGINEERING-CONSTRUCTION-MANAGEMENT-SERVICES](https://www.dekalbcountyga.gov/watershed-management/office-engineering-construction-management-services).
- TO PURCHASE A HARD COPY OF THE DESIGN STANDARDS AND DETAILS, PLEASE CALL (770) 414-2383 OR (770) 621-7272.
- AS-BUILT DRAWINGS SHALL BE FURNISHED TO DWM AT THE CONCLUSION OF THE PROJECT IN BOTH AN ELECTRONIC AND HARD COPY FORMATS.
- CONTRACTOR SHALL COORDINATE WITH ATLANTA GAS LIGHT ON THE LOCATION AND DEPTH OF EXISTING GAS MAINS PRIOR TO BEGINNING STORM DRAINAGE INSTALLATION ACTIVITIES. ANY GAS MAINS THAT ARE IN CONFLICT SHALL BE RELOCATED BY ATLANTA GAS LIGHT.
- CONTRACTOR SHALL COORDINATE WITH DEKALB COUNTY FOR THE RELOCATION OF THE WATER MAIN AS SHOWN ON DRAWING NO. 44-0001.

ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR DIRT DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. REQUIRED DRIVEWAY EASEMENTS NOT SHOWN ON THE PLANS SHALL BE ACQUIRED. DRIVES SHALL BE CONSTRUCTED USING:

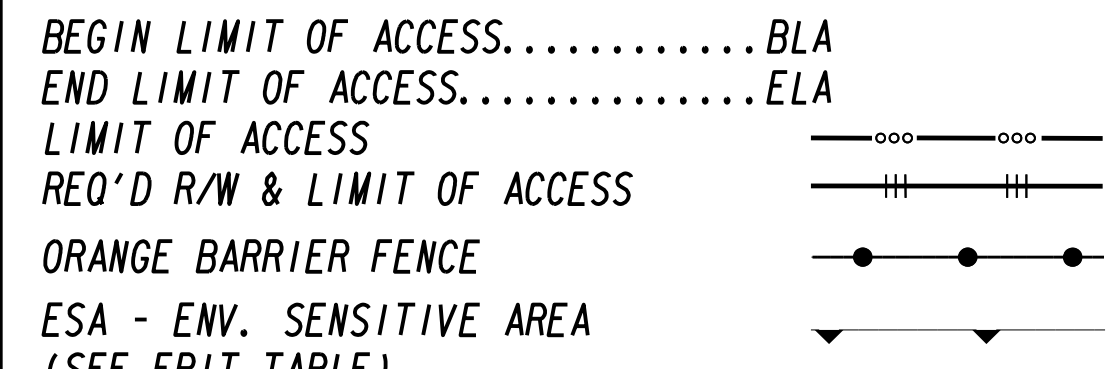
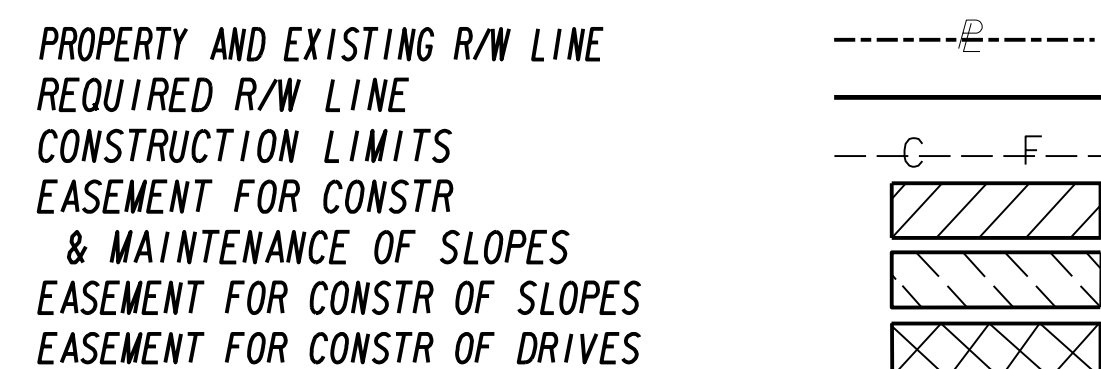
ASPHALT - RESIDENTIAL- ASPH CONC 12.5mm SUPERPAVE (165 LB/SY)  
 GRADED AGGREGATE BASE, 6"  
 ASPHALT - COMMERCIAL- ASPH CONC 12.5mm SUPERPAVE (165 LB/SY)  
 ASPH CONC 19 mm SUPERPAVE (220 LB/2Y)  
 GRADED AGGREGATE BASE, 6"

CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK

CONCRETE - COMMERCIAL - DRIVEWAY CONCRETE, 8" THICK



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REVISION DATES	
10/29/2020	ADDENDUM 1

**GENERAL NOTES**  
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD  
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	04-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**ALLOWABLE RANGES TABLE**

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT"  
EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

**A. NORMAL CROWN**

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE	0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

**B. SUPERELEVATION RATE**

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD,  
WHICHEVER IS GREATER.

**C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)**

RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM 1:150	0.67%
DESIRABLE 1:200	0.50%
MAXIMUM 1:300	0.33%

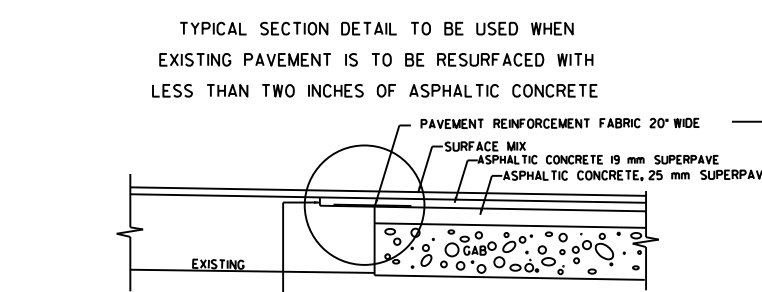
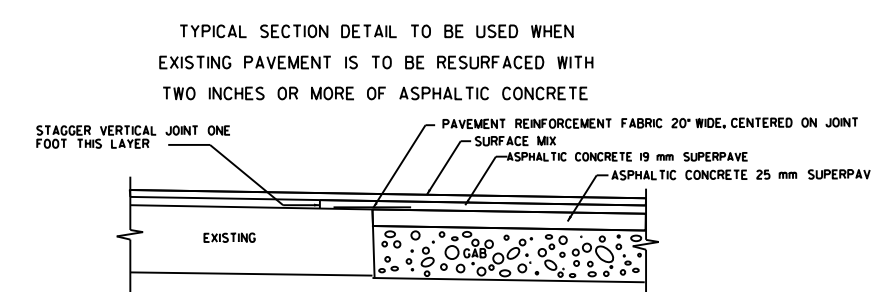
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

**D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES**

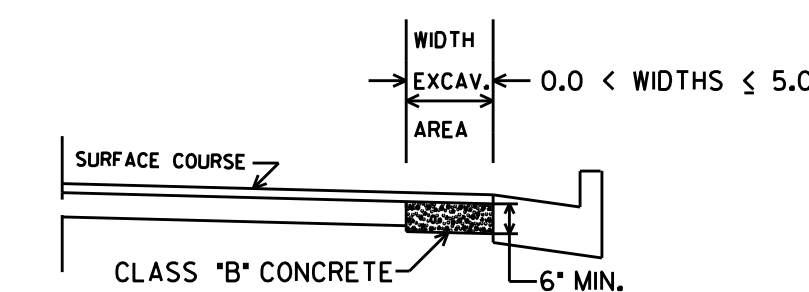
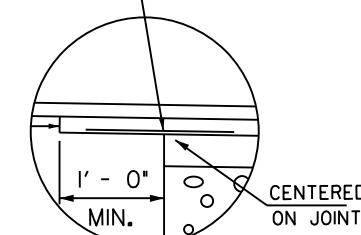
- 50% OF TRANSITION INSIDE CURVE - MAXIMUM
- 33% OF TRANSITION INSIDE CURVE - DESIRABLE
- 20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

**E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).**



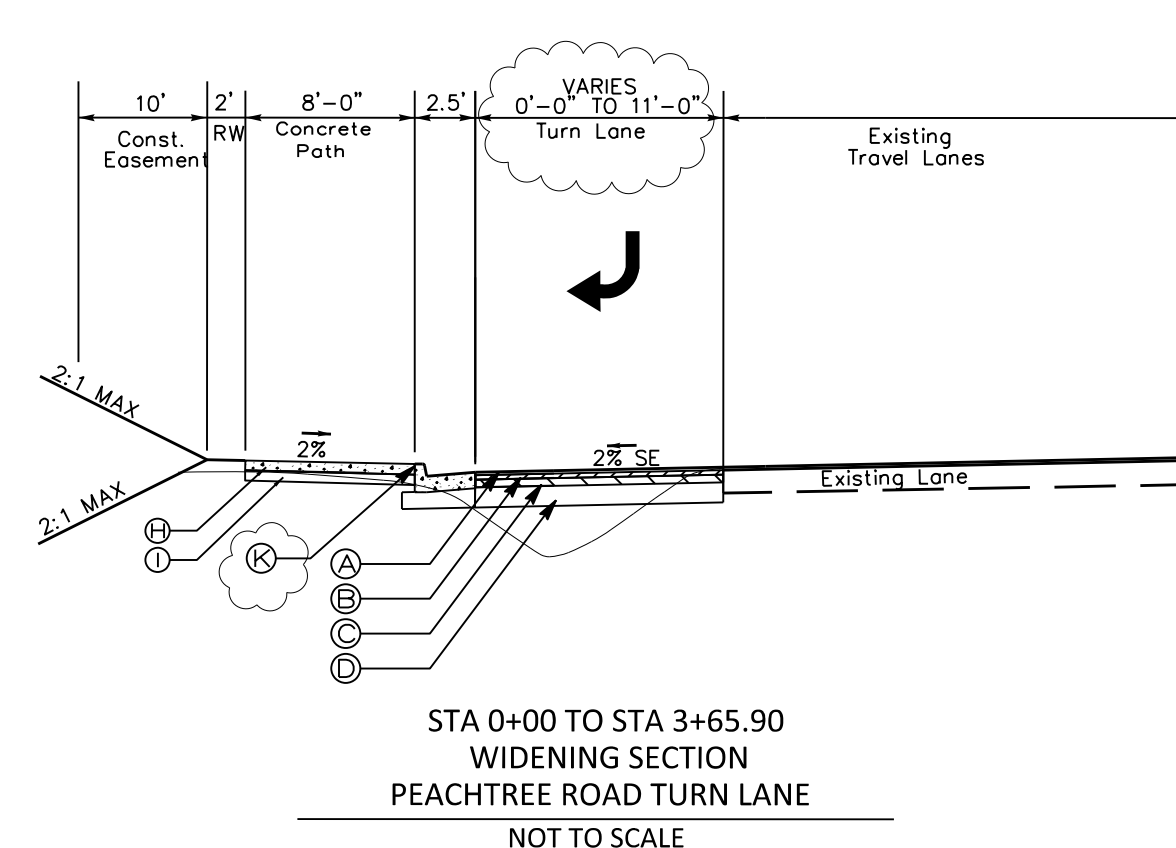
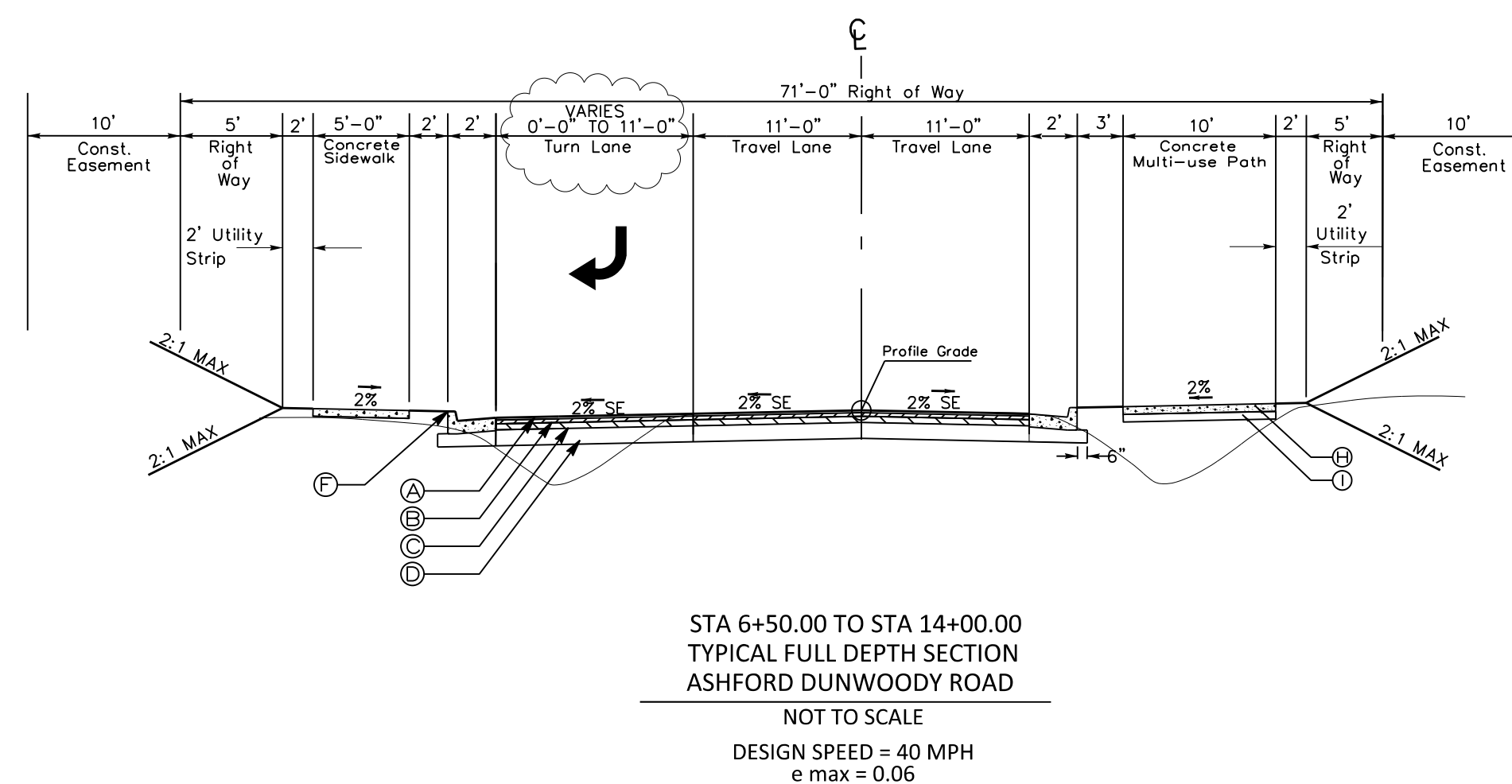
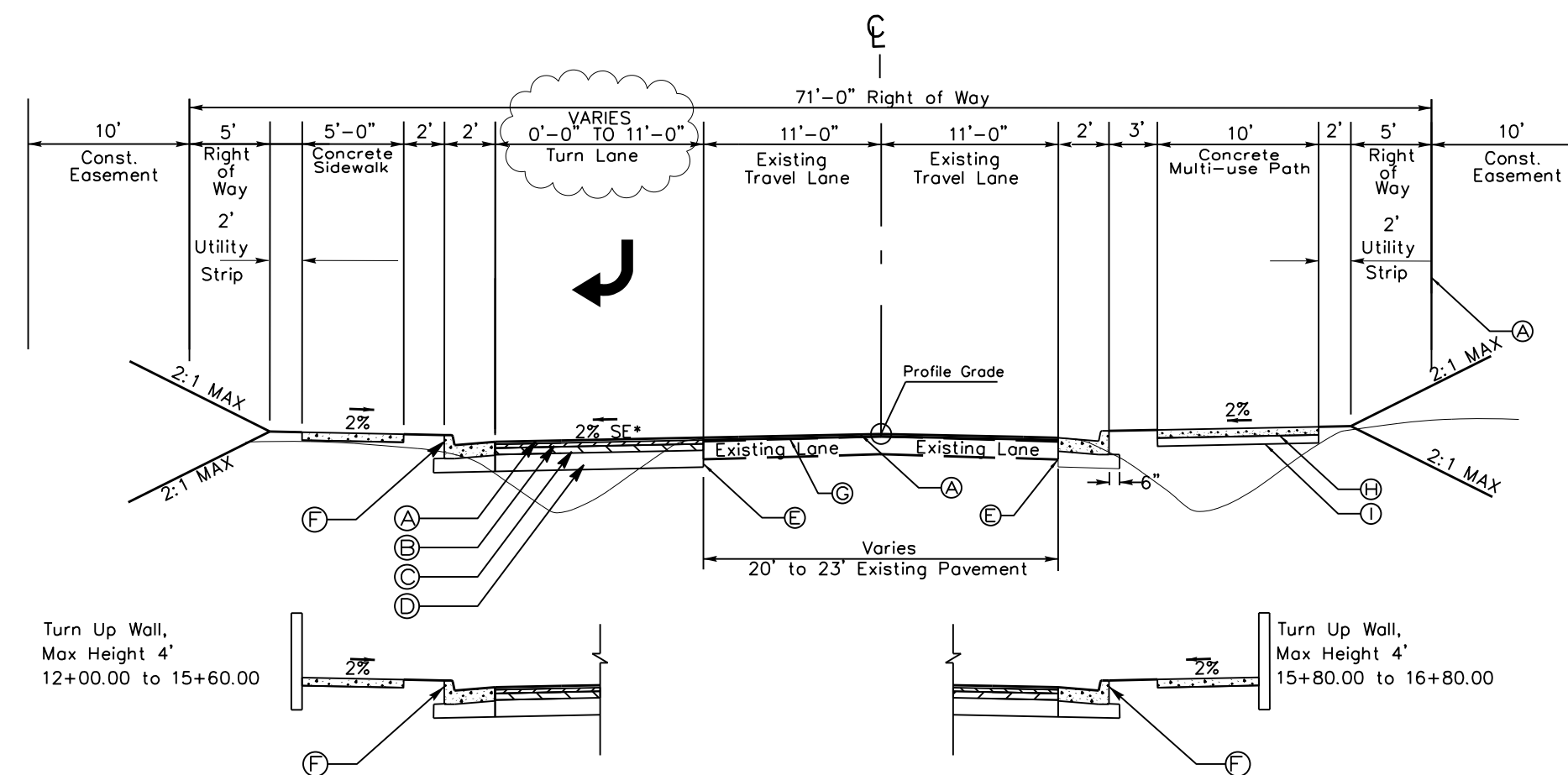
MILL EXISTING LANE ONE FOOT WIDE TO DEPTH OF MOVING LAYER TO BE PLACED. COST OF MILLING FOR THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCING FABRIC.



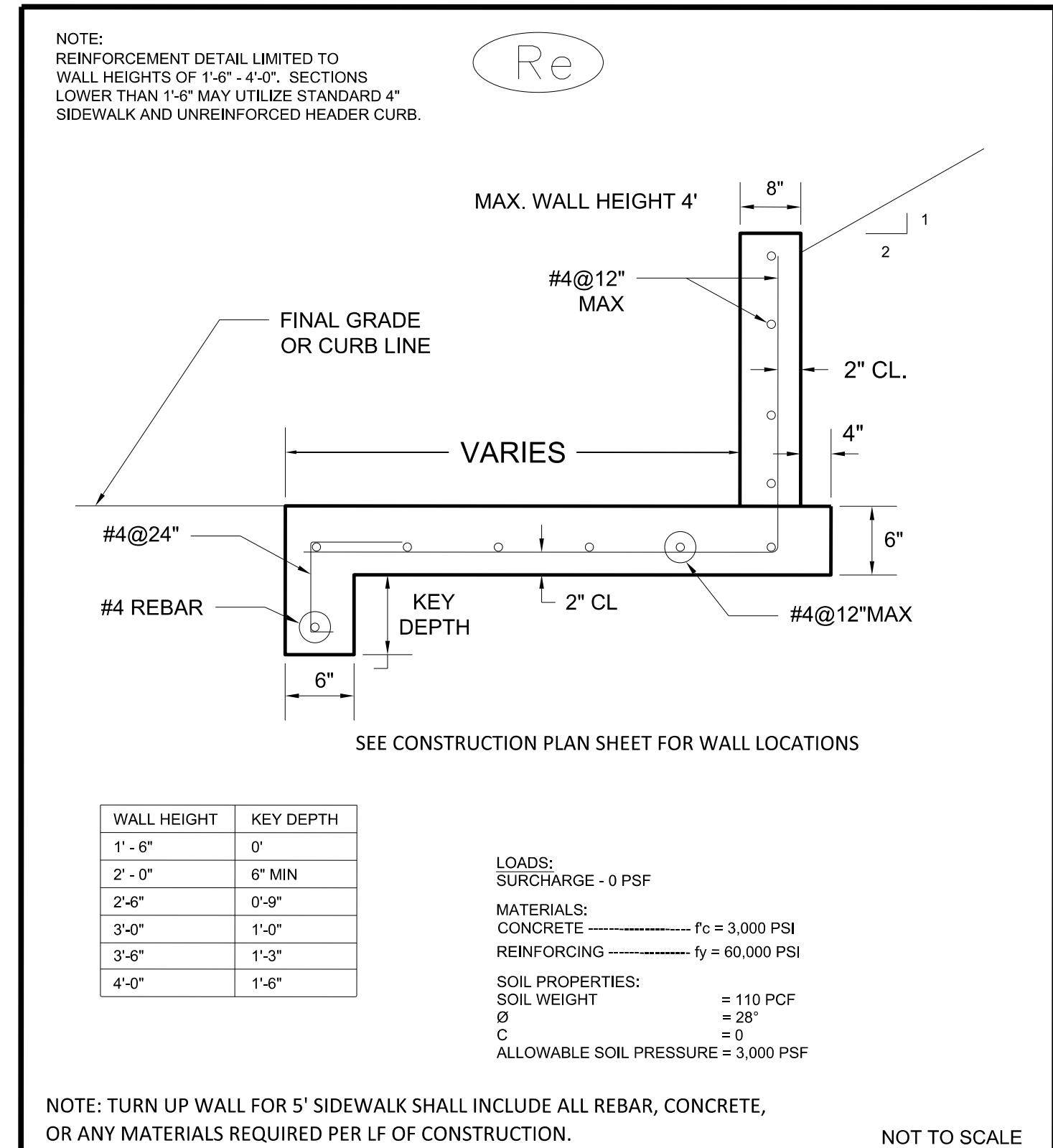
In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

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**



- Ⓐ ASPH. CONC. 12.5 mm SUPER PAVE GP2 ONLY, INCL BITUM & H LIME - (165LB/SY)
- Ⓑ ASPH. CONC. 19mm SUPER PAVE GP1 or GP2, INCL BITUM & H LIME - (220LB/SY)
- Ⓒ ASPH. CONC. 25mm SUPER PAVE GP1 or GP2, INCL BITUM & H LIME - (550LB/SY)
- Ⓓ GRADED AGGREGATE BASE - 12"
- Ⓔ SAWCUT
- Ⓕ 24" CONC. CURB & GUTTER (TYPE 2)
- Ⓖ ASPH. CONC. LEVELING COURSE (AS REQUIRED)
- Ⓗ 4" CONCRETE
- Ⓘ GRADED AGGREGATE BASE - 4"
- Ⓚ MILL ASPH. CONC. PVMT. (1.5")
- Ⓛ 30" CONC. CURB & GUTTER (TYPE 2)



**Brookhaven**  
GEORGIA

CITY OF BROOKHAVEN  
PUBLIC WORKS DEPARTMENT  
TURN UP WALL DETAIL  
FOR 5' SIDEWALK

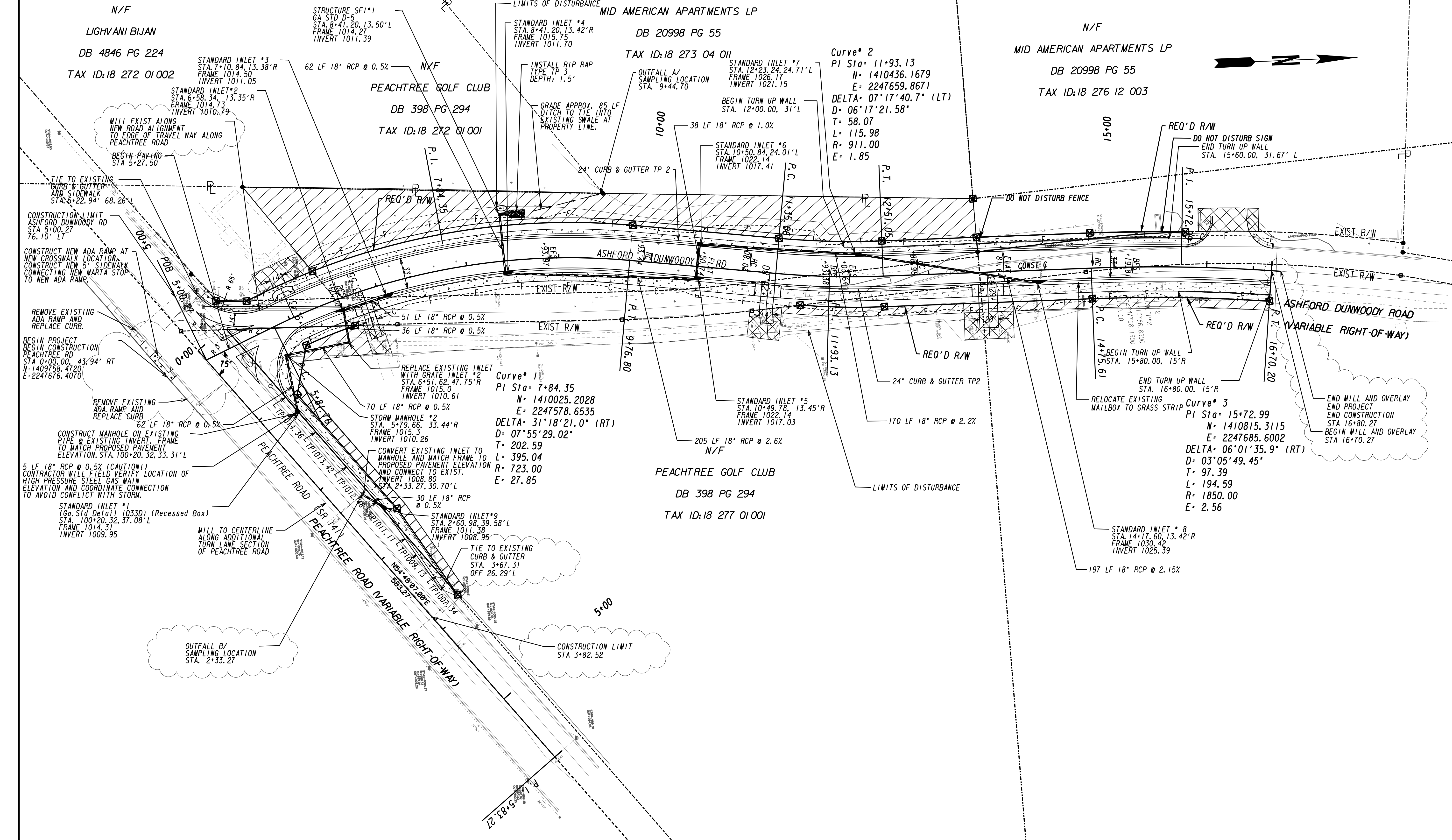
APRIL 2018

**SUPERELEVATION RATE TABLE**

BEGIN FULL SUPER	END FULL SUPER	SUPERSUPER RATE
STA. 6+60	STA. 8+93.87	5.50%
STA. 11+93.38	STA. 12+03.64	5.00%
STA. 15+19.81	STA. 16+46.12	3.60%

REVISION DATES		TYPICAL SECTIONS	
10/29/2020	ADDENDUM 1	ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	05-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

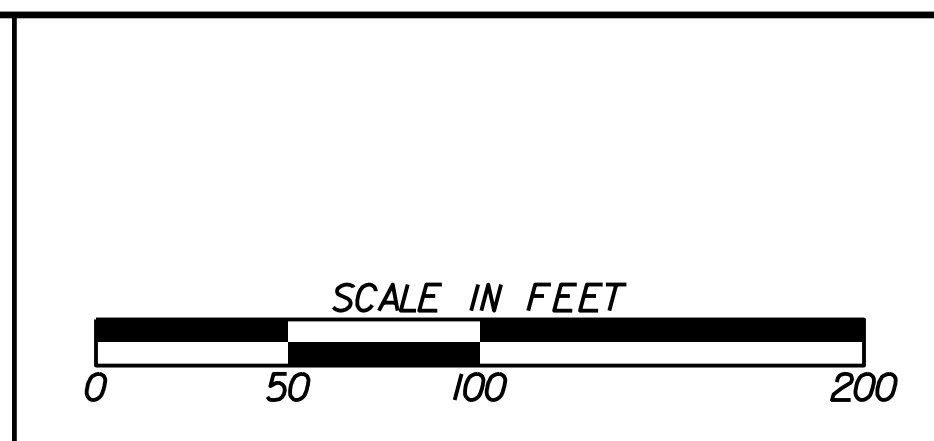
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PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	---C---F---
EASEMENT FOR CONSTR OF SLOPES	---C---F---
EASEMENT FOR CONSTR OF DRIVES	---C---F---

BEGIN LIMIT OF ACCESS.....BLA	---
END LIMIT OF ACCESS.....ELA	---
LIMIT OF ACCESS	---
REQ'D R/W & LIMIT OF ACCESS	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	---

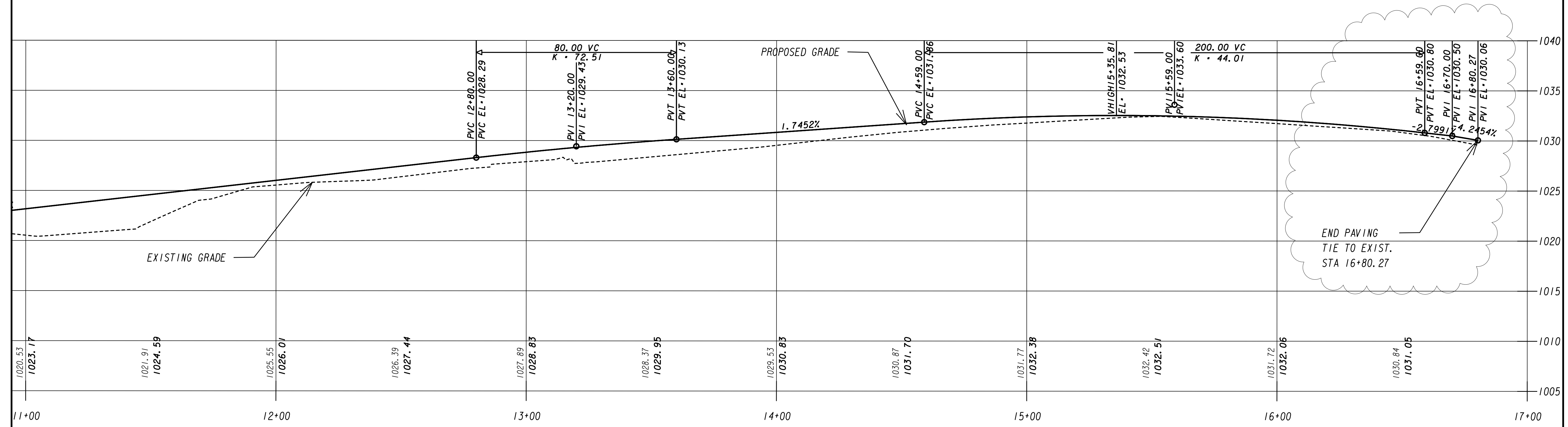
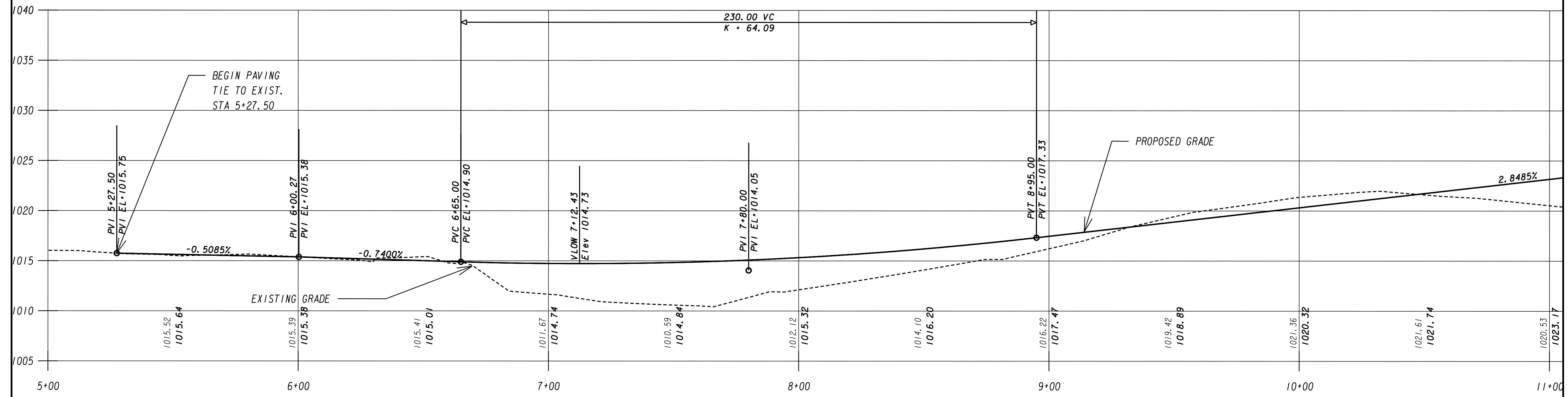
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REVISION DATES	
10/29/2020	ADDENDUM 1

**CONSTRUCTION PLAN**  
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD  
 INTERSECTION IMPROVEMENT

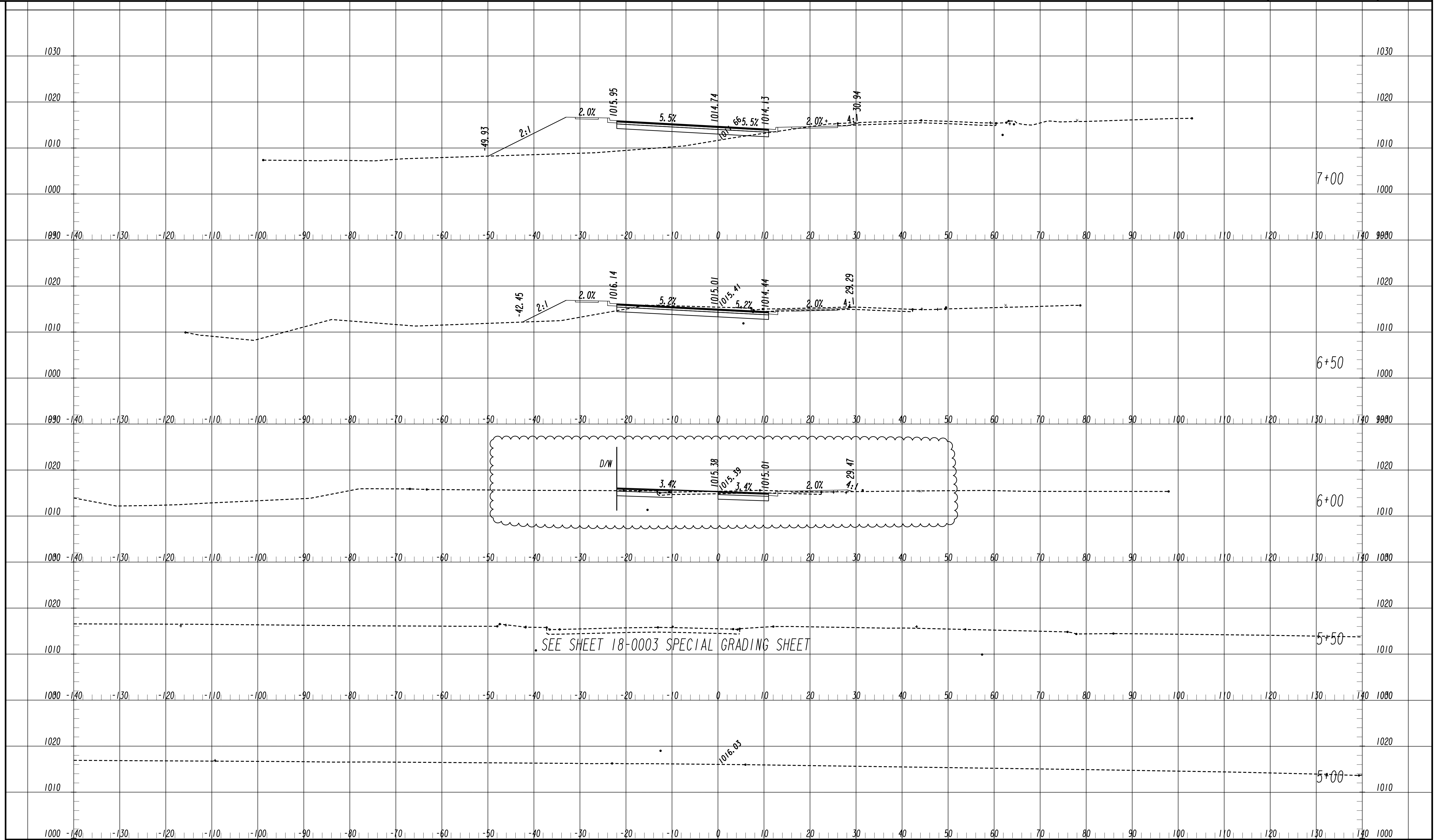
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



ROAD PROFILE  
 SCALE: HORIZ. 1" = 20'  
 VERT. 1" = 5'

REVISION DATES	
10/29/2020	ADDENDUM 1

MAINLINE PROFILE			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	15-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

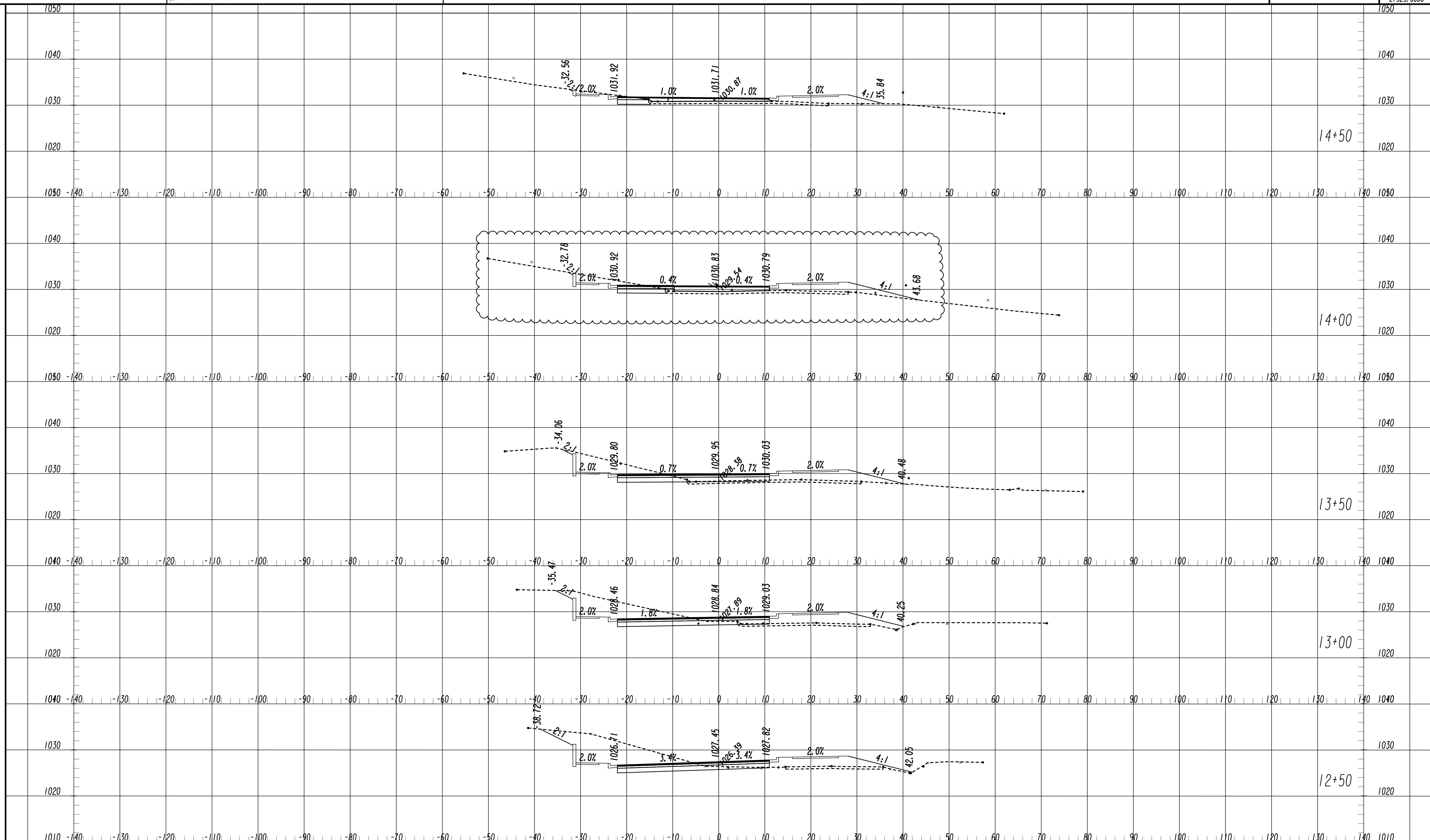


SCALE: HORIZ. 1" = 10'  
VERT. 1" = 10'

REVISION DATES	
10/29/2020	ADDENDUM 1

CROSS SECTIONS			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





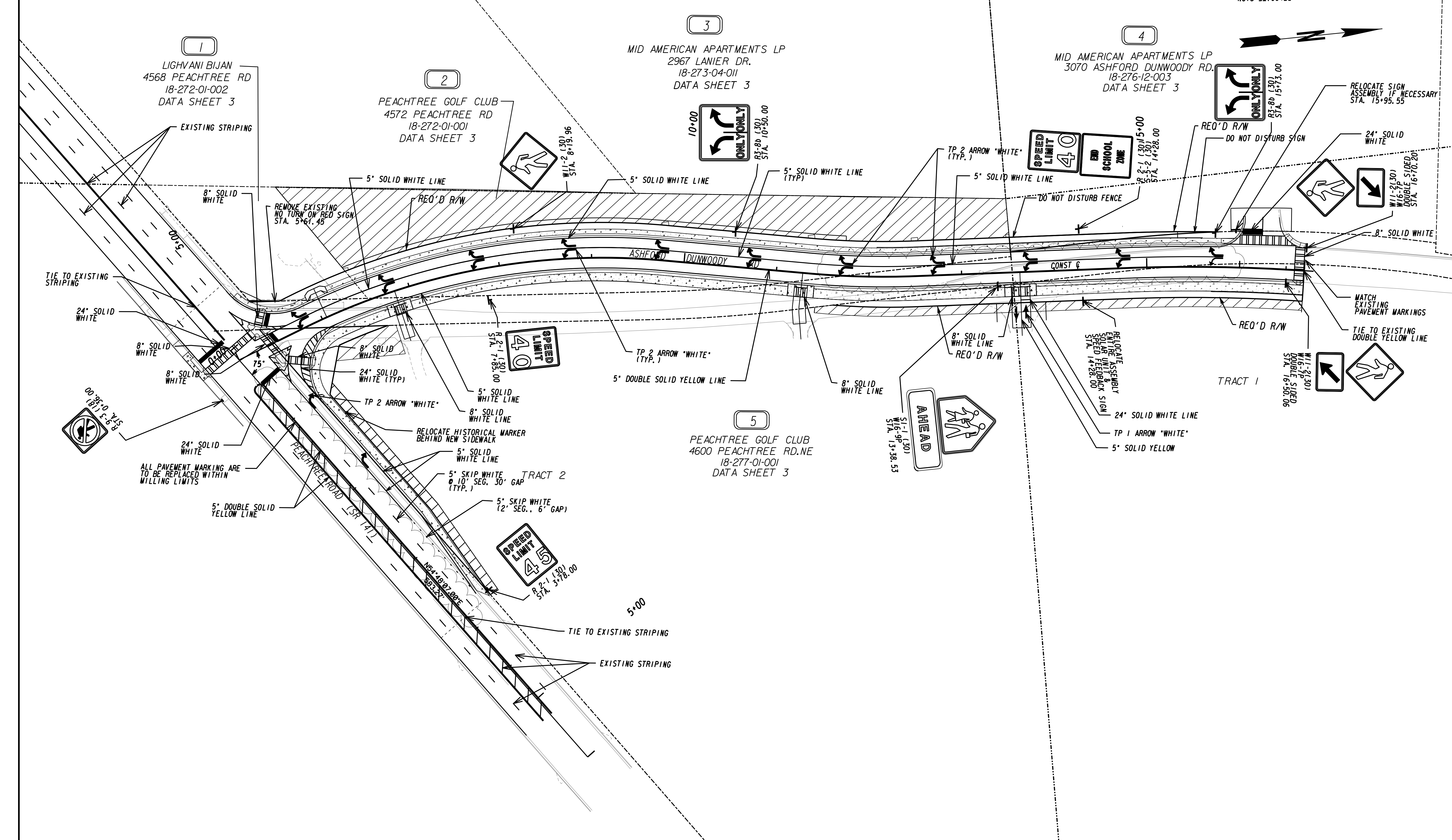
SCALE: HORIZ. 1" = 10'  
 VERT. 1" = 10'

REVISION DATES	
10/29/2020	ADDENDUM 1

CROSS SECTIONS			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
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BACKCHECKED:	DATE:	23-0004	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



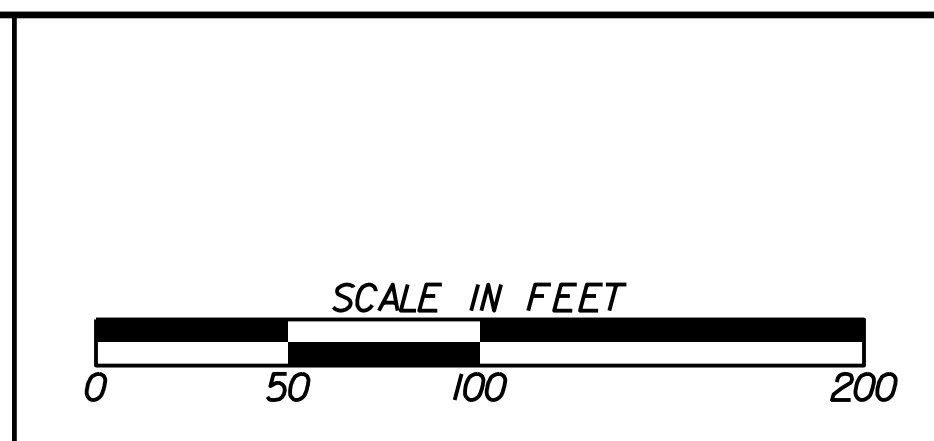




10/23/2015 GPLM

ALL PAVEMENT MARKING ARE TO BE REPLACED WITHIN MILLING LIMITS

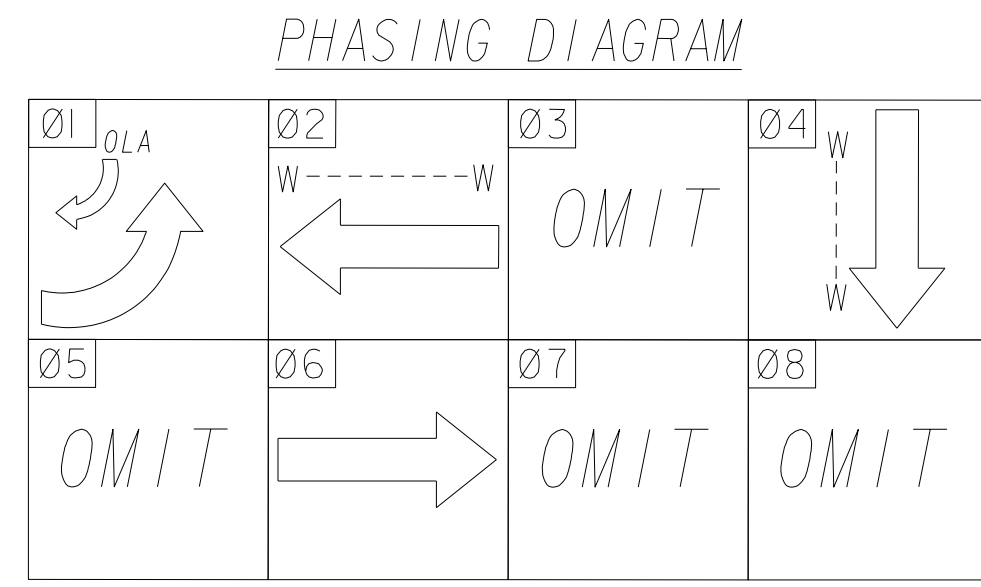
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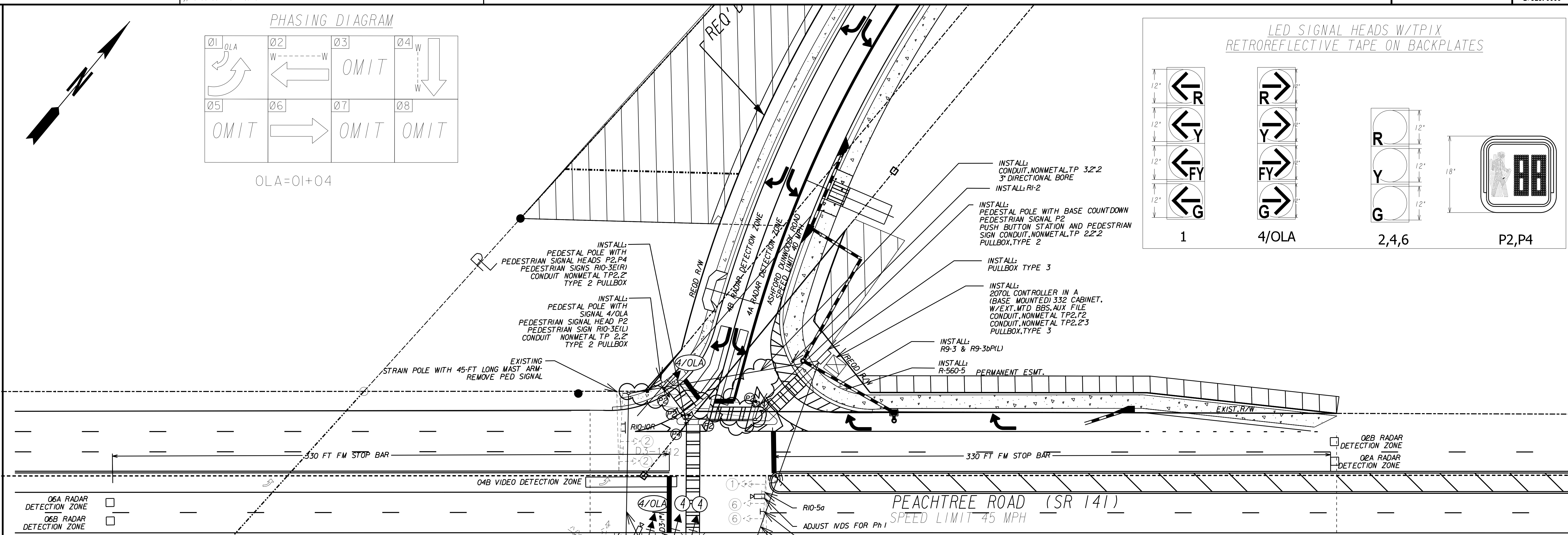
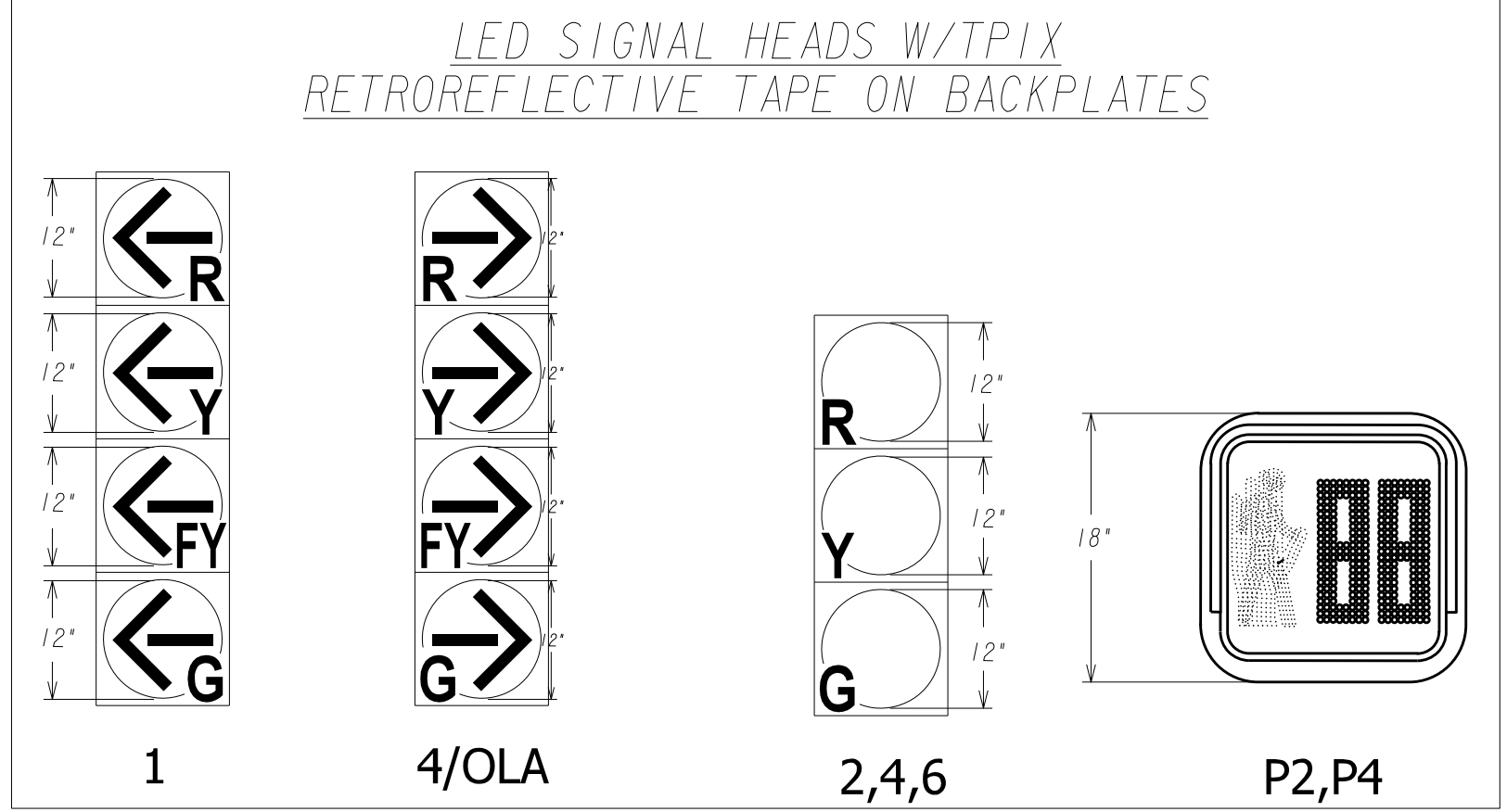
REVISION DATES	
10/29/2020	ADDENDUM 1

**SIGNING AND MARKING PLANS**  
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD  
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. <b>26-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

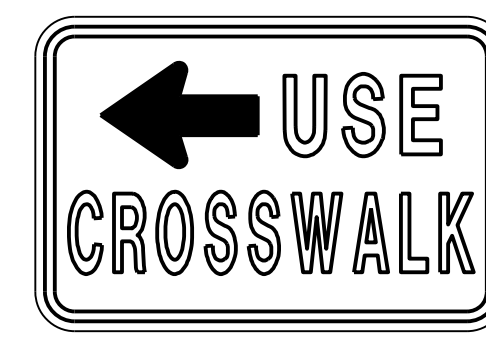


OLA=0I+04

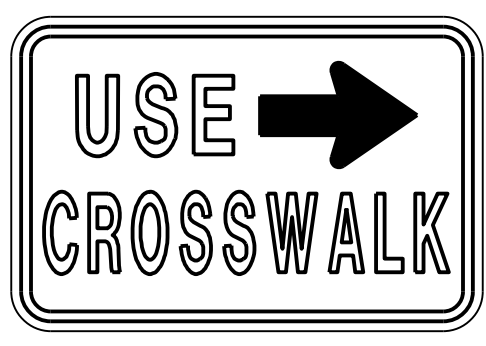


- Ø6A RADAR DETECTION ZONE
- Ø6B RADAR DETECTION ZONE
- Ø4B VIDEO DETECTION ZONE
- Ø2A RADAR DETECTION ZONE
- Ø2B RADAR DETECTION ZONE

- NOTES:
1. INSTALL CROSSWALKS AND PEDESTRIAN RAMPS (PER GDOT STANDARDS)
  2. ALL DETECTABLE WARNING SURFACES WITHIN THIS PROJECT SHALL BE OF A RED BRICK COLOR/TYPE
  3. IMPLEMENTATION OF TIMING REVISIONS IS TO BE COORDINATED WITH GDOT DISTRICT 7 TRAFFIC ENGINEER AND GDOT RTOP AT PRECONSTRUCTION MEETING.



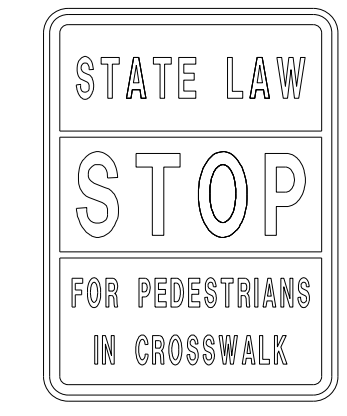
R9-3bP(L)  
(18"X12")



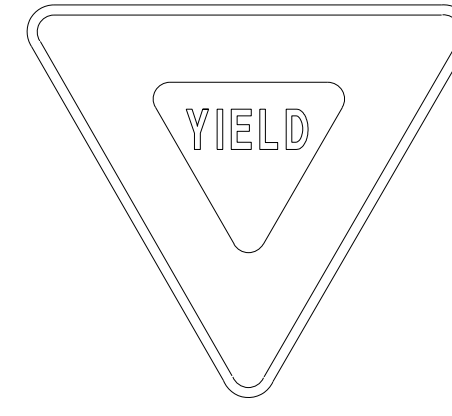
R9-3bP(R)  
(18"X12")



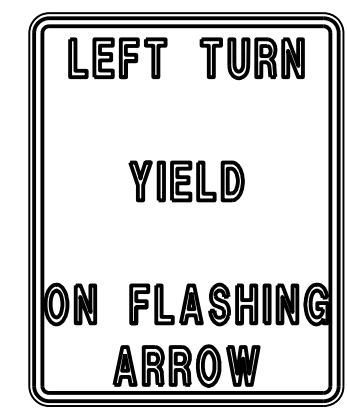
R9-3  
(18"X18")



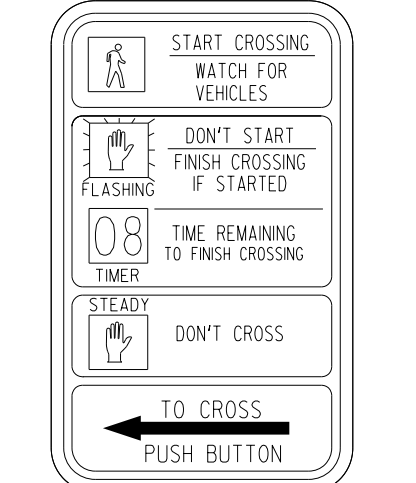
R560-5  
(18"X24")



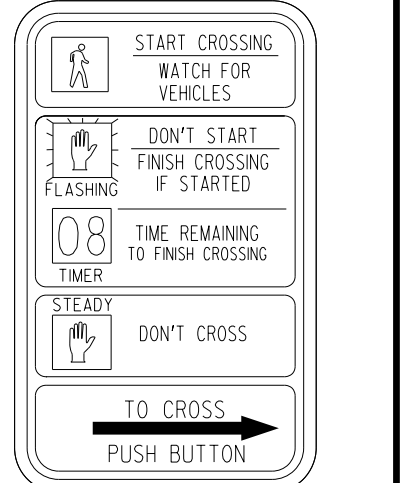
R1-2  
(36"X36)



R10-5A  
(36"X36)



R10-3E(L)  
9"X15"

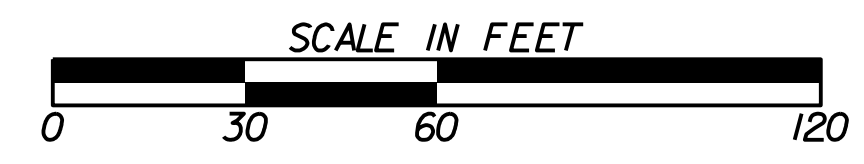


R10-3E(R)  
9"X15"

SIGNAL LEGEND	
	PROPOSED 4-SECTION SIGNAL HEAD
	PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
	EXISTING SIGNAL HEAD
	RELOCATED SIGNAL HEAD
	PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND	
	PROPOSED VIRTUAL DETECTION ZONE
	PROPOSED INDUCTIVE LOOP
	PROPOSED VIDEO DETECTION CAMERA
	PROPOSED MAGNETOMETER
	PROPOSED RADAR

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REVISION DATES	
10/29/2020	ADDENDUM 1

SIGNAL PLANS			
ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	27-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
------	---	---	---	---	---	---	---	---	---	----	----	----	----	----

UPPER INPUT FILE

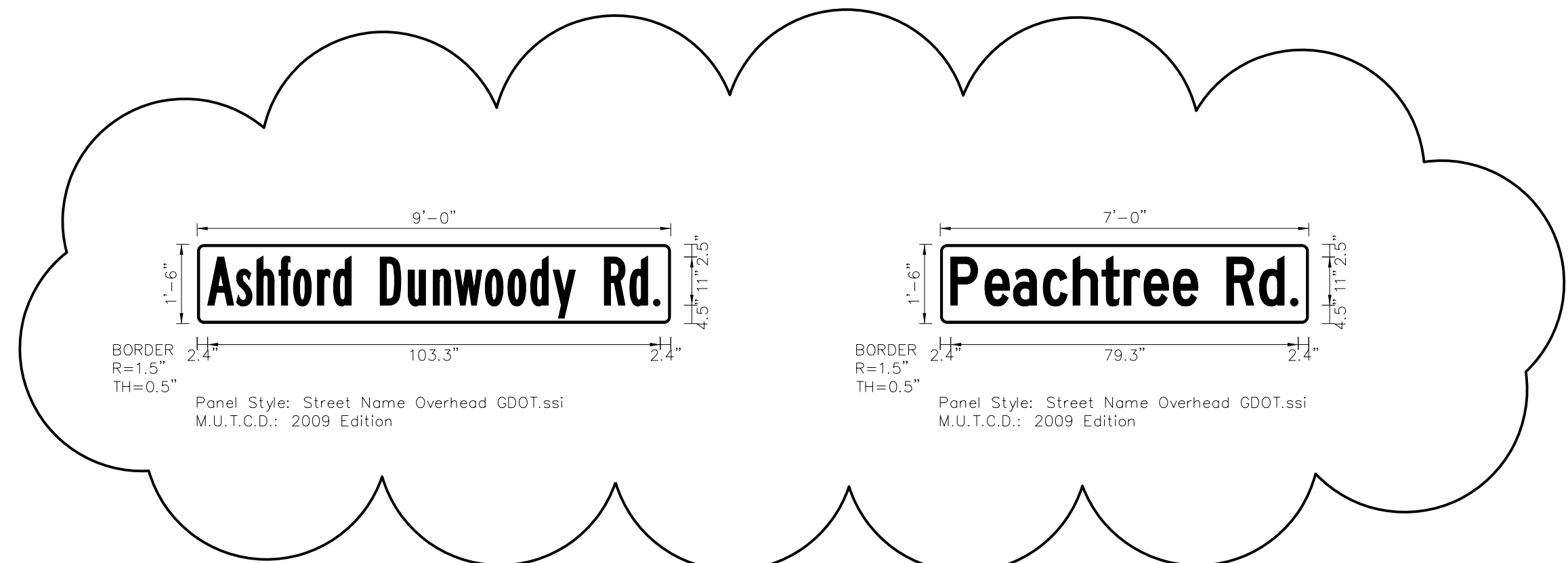
	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	IVDS 1			IVDS 2			IVDS 4					DC ISO		DC ISO
CHANNEL 1	CI PIN	56	39	63	47	58	41	65	49	60	80	67	68	81	
	FUNCTION			02A			04A					02 PED		FLASH	
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10		TB8 4,6	TB8 7,9	N/C	

CHANNEL 2	CI PIN	56	43	76	47	58	45	78	49	62	53	69	70	82	
	FUNCTION			02B			04B					04 PED		STOP TIME	
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12		TB8 5,6	TB8 8,9	N/C	

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC	
	CARD	IVDS 6														
CHANNEL 1	CI PIN	55	40	64	48	57	42	66	50	59	54	71	72	51		
	FUNCTION	01	06A													
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10		TB9 4,6	TB9 7,9	TB9 10,12		

CHANNEL 2	CI PIN	55	44	77	48	57	46	79	50	61	75	73	74	52	
	FUNCTION		06B												
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12		TB9 5,6	TB9 8,9	TB9 11,12	



SIGNAL QUANTITIES - 2070

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION

ITEM	MATERIALS	UNIT	QUAN
	CONTROLLER/CABINET ASSEMBLIES		
	A. CONTROLLER UNIT, MODEL 2070	EA	1
	B. CABINET ASSEMBLY, MODEL 332 AUX FILE	EA	1
	C. SWITCH PACK	EA	7
	D. DC ISOLATOR	EA	3
	E. 2010 CONFLICT MONITOR, EXTENDED FEATURES	EA	1
	F. BATTERY BACKUP SYSTEM		
	1. EXTERNAL MOUNTED	EA	1
	LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT)		
	A.3 PAIR 18 AWG	RL	2
	SIGNAL CABLE (14 AWG)		
	A.7 CONDUCTOR, PER 1000 FT	RL	2
	3-SECTION, 12" SIGNAL HEAD, LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	2
	4-SECTION, 12" SIGNAL HEAD, LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	2
	BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC		
	LOUVERED, BLACK W/ RETROREFLECTIVE STRIP	EA	2
	BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC		
	LOUVERED, BLACK W/ RETROREFLECTIVE STRIP	EA	2
	1-SECTION 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL, HANDMAN OVERLAP, 9" HIGH NUMBERS AND 12" SYMBOLS	EA	6
	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND SIGN	EA	2
	RESET EXISTING D3-1#1 SIGN	EA	2
	PEDESTRIAN PUSHBUTTON STATION ADAPTERS (ONLY) 9"x15", SINGLE		
	PUSHBUTTON STATION FOR 4" DIA. PEDESTRIAN POLE, ADJUSTABLE	EA	2
	PEDESTRIAN PUSHBUTTON STATION ADAPTERS (ONLY) 9"x15", DOUBLE		
	PUSHBUTTON STATION FOR 4" DIA. PEDESTRIAN POLE, ADJUSTABLE	EA	1
	PEDESTRIAN PUSHBUTTON STATIONS W/ BUTTON AND SIGNS		
	9"x15", R10-E, (L)EFT OR (R)IGHT COUNTDOWN	EA	6
	HARDWARE FOR MAST ARM MOUNTING - ASTRO TYPE BRACKETS	EA	3
	HARDWARE FOR MASTARM ERECTION	EA	1
	HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE WAY BRACKET ASSEMBLY	EA	3
	HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
	PEDESTRIAN PEDESTAL POLE, W/BASE	EA	3
	PULL BOX, TP-2	EA	4
	PULL BOX, TP-3	EA	3
	RETURN EXISTING UNUSED SIGNAL EQUIPMENT TO GDOT	LS	LUMP
	CONDUIT, 1" GALVANIZED RIGID STEEL	LF	30
	CONDUIT, TP2 1 IN	LF	40
	CONDUIT, TP2 2 IN	LF	175
	R560-5, STOP FOR PEDESTRIANS, WITH POST	EA	1
	REMOVE CONFLICTING PAVEMENT MARKINGS	LS	LUMP
	MISC MATL TO COMPLETE INSTALLATION	LS	LUMP
	ADJUST RADAR AND CAMERA DETECTION ZONES	LS	LUMP

SIGNAL QUANTITIES - PAY ITEMS

ITEM	MATERIALS	UNIT	QUAN
647-1000	TRAFFIC SIGNAL INSTALLATION	LS	1
615-1200	DIRECTIONAL BORE, 3"	LF	450
639-3014	STEEL STRAIN POLE, TP IV (W/35 FT MAST ARM AND LUMINAIRE ARM)	EA	1
937-6051	INTERSECTION VIDEO DETECTION SYSTEM, TYPE B	EA	1
682-6223	CONDUIT, NONMETAL TP 3, 2IN	LF	1200
687-1000	TRAFFIC SIGNAL TIMING	LS	1
935-8000	TESTING (TRAFFIC SIGNAL)	LS	1
935-8500	TRAINING (TRAFFIC SIGNAL)	LS	1

NOTE: QUANTITIES ARE FOR INFORMATION ONLY. THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS.

REVISION DATES

10/29/2020	ADDENDUM 1

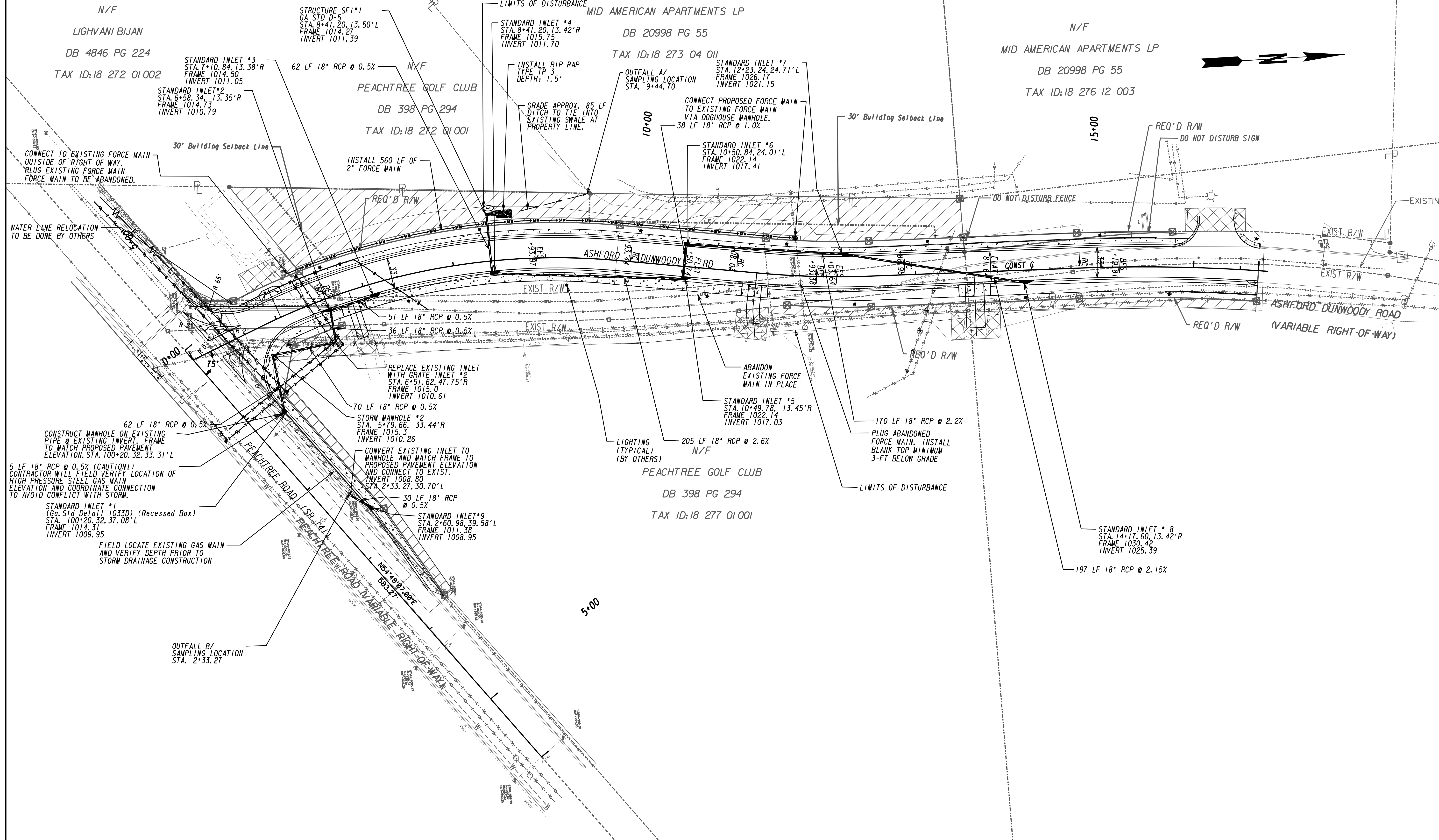
SIGNAL PLANS

ASHFORD DUNWOODY ROAD/PEACHTREE ROAD INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

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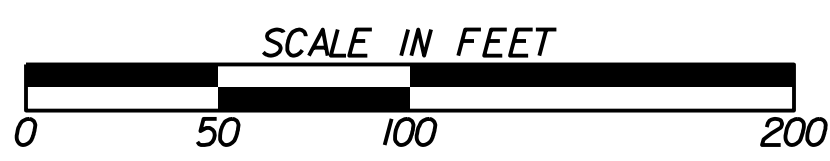




PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

--- @ --- BEGIN LIMIT OF ACCESS.....BLA  
 --- END LIMIT OF ACCESS.....ELA  
 --- LIMIT OF ACCESS  
 --- REQ'D R/W & LIMIT OF ACCESS  
 --- ORANGE BARRIER FENCE  
 --- ESA - ENV. SENSITIVE AREA  
 (SEE ERIT TABLE)

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REVISION DATES	
06/27/19	
10/29/2020	ADDENDUM 1

**UTILITY RELOCATION PLAN**  
 ASHFORD DUNWOODY ROAD/PEACHTREE ROAD  
 INTERSECTION IMPROVEMENT

CHECKED:	DATE:	DRAWING No. <b>44-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	