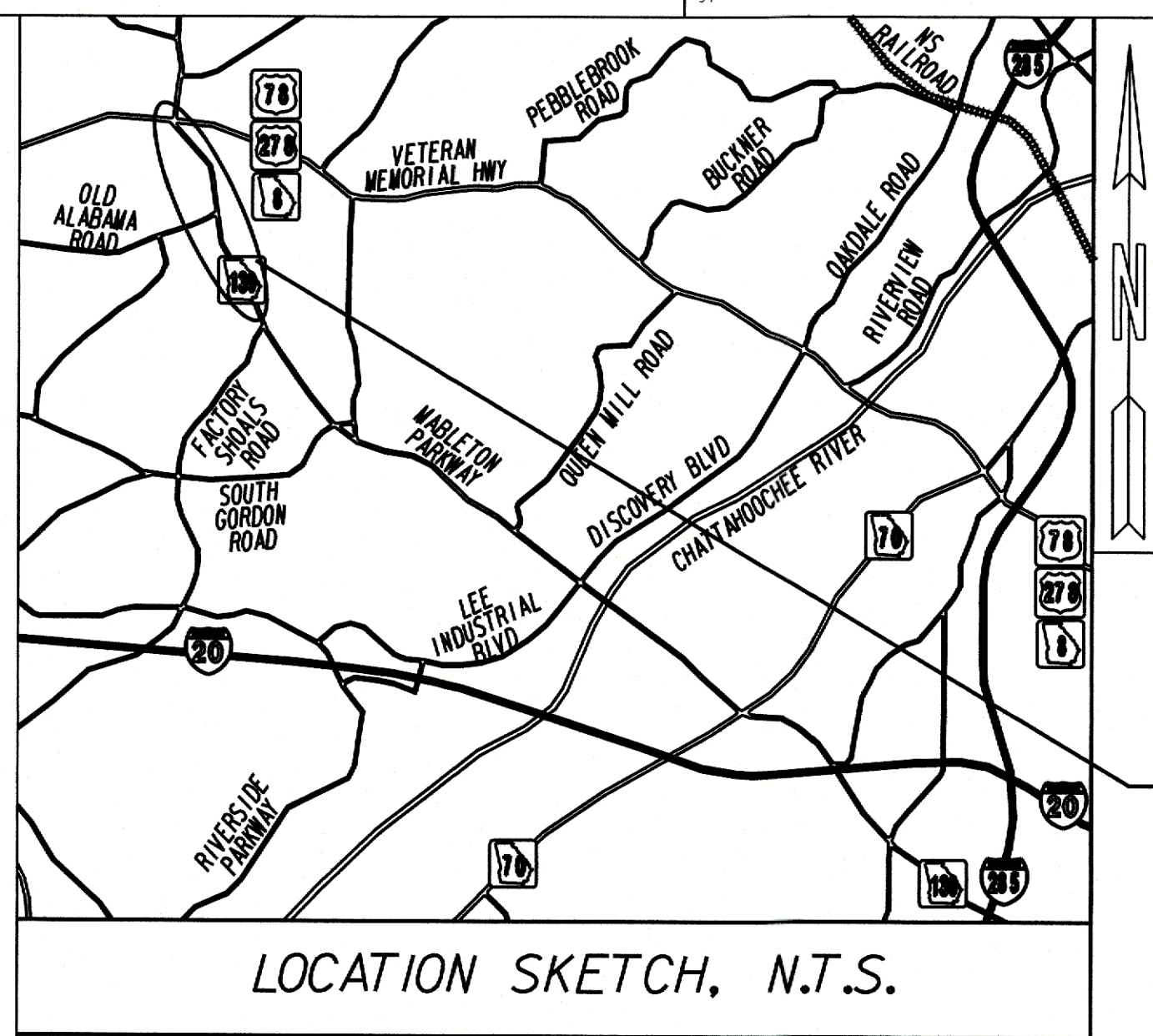


# COBB COUNTY DEPARTMENT OF TRANSPORTATION

## PLAN AND PROFILE OF PROPOSED SR 139/MABLETON PKWY TRAIL, PHASE II

### COBB COUNTY PROJECT NO. X2770



5/05/2023  
*[Signature]*  
PLANS PREPARED BY:  
COBB COUNTY PROJECT NO. X2770  
*[Signature]*  
ACCEPTED BY COBB COUNTY DOT  
DATE: 5/18/2023

**PROJECT MIDPOINT**  
N: 1386295.5524  
E: 2173491.2595

**POSTED SPEED: 45 MPH**  
**SPEED DESIGN: 45 MPH**

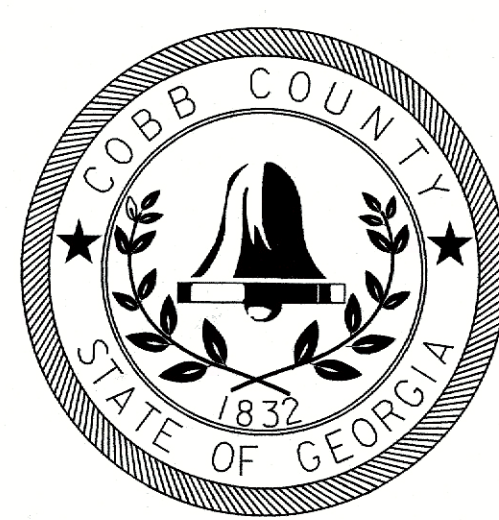
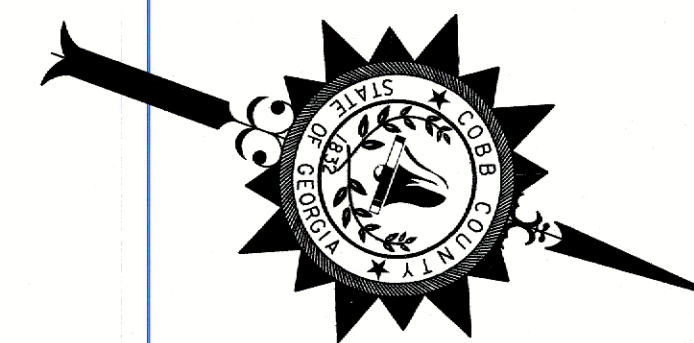
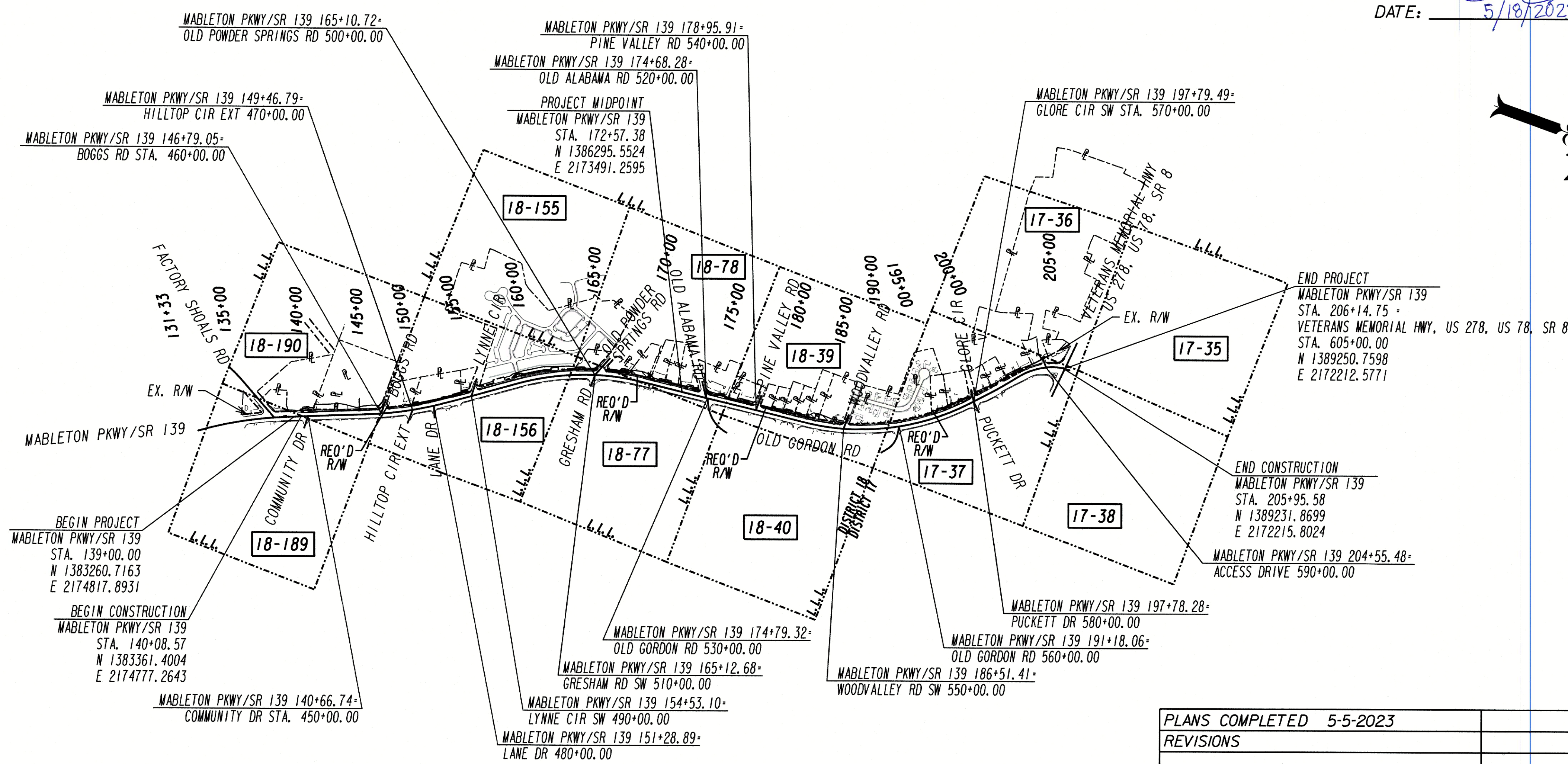
**FUNCTIONAL CLASS:**  
ARTERIAL  
THIS PROJECT IS 100% IN COBB COUNTY AND IS 100% IN CONG. DIST. NO. 13.  
**LAND DISTRICT:** 17, 18  
**LAND LOTS:** 36, 37, 39, 77, 78, 156, 189, 190  
**COBB COUNTY COMMISSION:**  
DISTRICT 4  
**PROJECT DESIGNATION:**  
DESIGNED IN ENGLISH UNITS.

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

**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 "STATE HIGHWAY DEPARTMENT OF GEORGIA"; "STATE HIGHWAY DEPARTMENT"; "GEORGIA STATE HIGHWAY DEPARTMENT"; "HIGHWAY DEPARTMENT"; OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

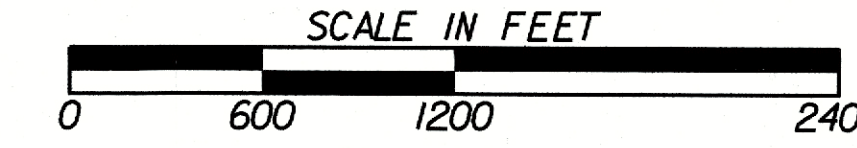
**NOTE :**  
ALL MATERIALS INCORPORATED INTO THE WORK SHALL MEET ALL REQUIREMENTS OF THE GDOT SPECIFICATIONS AND OPL SOURCE DOCUMENTATION TO ACHIEVE A MATERIALS CERTIFICATION FROM GDOT.

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



LENGTH OF PROJECT	
COUNTY No. 067	Project No. X2770
MILES	
NET LENGTH OF ROADWAY	1.271
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.271
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.271

PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
www.aei.com  
DESIGN CONSULTANT



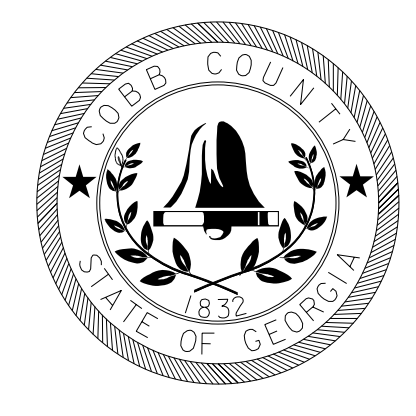
PLANS COMPLETED	5-5-2023
REVISIONS	

DRAWING No.  
**01-0001**

DRAWING NO.	DESCRIPTION	REV DATE
01-0001	COVER	
02-0001	INDEX	
03-0001	REVISION SUMMARY	
04-0001	GENERAL NOTES	
05-0001 TO 05-0003	TYPICAL SECTIONS	
06-0001 TO 06-0003	SUMMARY OF QUANTITIES	
07-0001	QUANTITIES AMENDMENT	
08-0001	QUANTITIES (CONSTRUCTION)	
09-0001	DETAILED ESTIMATE	
11-0001 TO 11-0002	CONSTRUCTION LAYOUT	
13-0001 TO 13-0013	CONSTRUCTION PLANS	
15-0001 TO 15-0012	MAINLINE PROFILES	
17-0001 TO 17-0011	DRIVEWAY PROFILES	
21-0001	DRAINAGE AREA MAP	
22-0001 TO 22-0002	DRAINAGE CROSS-SECTIONS	
23-0001 TO 23-0032	EARTHWORK CROSS-SECTIONS	
24-0000 TO 24-0013	UTILITY PLANS	
24A-00 TO 24A-14	WATER SYSTEM PLANS	
26-0000 TO 26-0015	SIGNING & MARKING PLANS	
27-0000 TO 27-0005	SIGNAL PLANS	
31-0001 TO 31-0002	RETAINING WALL PLANS	
50-0001	EROSION CONTROL COVER SHEET	
51-0001 TO 51-0003	ESPC GENERAL NOTES	
52-0001	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 1 OF 7	03/2017
52-0002	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 2 OF 7	11/2018
52-0003	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 3 OF 7	03/2017
52-0004	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 4 OF 7	03/2017
52-0005	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 5 OF 7	03/2017
52-0006	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 6 OF 7	11/2018
52-0007	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET 7 OF 7	03/2017
53-0001	EROSION CONTROL DRAINAGE AREA MAP	
54-0001 TO 54-0039	BMP LOCATION DETAILS	
55-0001	WATERSHED MAP/SITE MONITORING LOCATION	
56-0001 TO 56-0010	EROSION CONTROL STANDARDS AND DETAILS	
D-20	SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3	04/2016
D-24A	TEMPORARY SILT FENCE (SHEET 1 OF 4)	01/2011
D-24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER (SHEET 2 OF 4)	01/2011
D-24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4)	01/2011
D-41	CONSTRUCTION EXIT	11/2020
D-42	INLET SEDIMENT TRAPS	05/2008
D-43	ROCK FILTER DAM	04/2016
D-54	SOD INSTALLATION	04/2016
D-55A	RIPRAP OUTLET PROTECTION(SHEET 1 OF 2)	04/2016
D-55B	RIPRAP OUTLET PROTECTION(SHEET 2 OF 2)	04/2016
D-56	STONE RIP RAP AND SAND BAG TEMPORARY CHECK DAMS	11/2018
Sd2-P	PIG IN BLANKET	
60-0001 TO 60-0019	RIGHT OF WAY PLANS	
	GEORGIA CONSTRUCTION DETAILS	REV DATE
A-1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS	07/2011
A-2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6	07/2011
A-3	THIS DETAIL REPLACES GA STANDARD 9031W: SPECIAL DETAILS - CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	09/2016
A-4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	06/2009

DRAWING NO.	DESCRIPTION	REV DATE
	GEORGIA CONSTRUCTION DETAILS	REV DATE
T01	SIGN PLATES	01/2000
T02	DETAILS FOR TYPICAL FRAMING	03/2000
T03A	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL	07/2002
T04	DETAILS OF CARDINAL DIRECTION SIGNS	01/2000
T11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY	09/2016
TS-03	PEDESTRIAN FACILITIES INSTALLATION	11/2020
TS-04A	DETAILS OF TRAFFIC SIGNAL SUPPORT STRUCTURES	11/2020
TS-06	GROUNDING FOR TRAFFIC SIGNAL SUPPORT STRUCTURES	11/2020
	GEORGIA STANDARD DETAILS	REV DATE
1011A	BRICK MANHOLES	10/1981
1011AP	PRECAST REINFORCED CONCRETE MANHOLE	06/1975
1019A	DROP INLETS	08/1999
1019AP	PRECAST DROP INLETS	08/1999
1019B	DROP INLETS TYPES V-1 AND V-2	08/1999
1030D1	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3	09/2001
1030D2	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3	09/2001
1030D3	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3	09/2001
1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER)	08/1982
1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER)	09/1982
1034D	CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS)	08/1982
1034DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND PRECAST GUTTER IN SAGS OR LOW POINTS)	09/1982
1040	CIRCULAR BASE UNITS AND RISERS FOR CATCH BASINS AND DROP INLETS	11/1999
1120	FLARED END SECTIONS FOR PIPES	06/2006
1401	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT)	08/1999
9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY MARKERS; COUNTY LINE MARKER	04/2006
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND TYPICAL PIPE PLUG	09/2016
9031U	JUNCTION BOXES/PRECAST OR BUILT-IN-PLACE PIPE COLLARS, PIPE ELBOW AND PIPE CURVED ALIGNMENT	07/1985
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	02/2020
9033	MILEPOSTS	03/2006
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS	03/2006
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY	03/2006
9107	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY	03/2006

GEORGIA STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH THE LATEST REVISION DATES, BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OBTAINING AND MAINTAINING ON THE PROJECT SITE THE STANDARDS AND CONSTRUCTION DETAILS SHOWN IN THE INDEX FULL SIZE PRINTS MAY BE PURCHASED BY THE CONTRACTOR AT HIS EXPENSE FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION OR DOWNLOADED FROM THE GDOT WEBSITE AT <http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx>



PLANS PREPARED AND SUBMITTED BY: **AEI**  
 0 65 Aberdeen Drive, Glasgow, KY 42044  
 0 2500 Nelson Miller Parkway, Louisville, KY 40223  
 0 960 Acworth Landing Drive, Acworth, GA 30011  
 (502) 345-3818  
 (770) 421-9422  
**AMERICAN ENGINEERS, INC.**  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING

REVISION DATES		INDEX	
		MABLETON PKWY TRAIL, PHASE 11	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	02-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



**PROJECT GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.
- THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:
 

1. AT&T (D)	5. COBB COUNTY WATER SYSTEM	9. MARIETTA BOARD OF LIGHTS & WATER (POWER)
2. AUSTELL GAS SYSTEM	6. GEORGIA POWER COMPANY (D)	10. PARKER FIBER SYSTEM
3. COMCAST OF GEORGIA	7. GEORGIA POWER COMPANY (T)	11. ZAYO
4. CROWN CASTLE/SUNESYS	8. GREYSTONE POWER	12. VERIZON-MCI
- 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 TO DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONCRETE AND ASPHALT MATERIALS REMOVED FROM THE PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT AREAS. WITH THE PRIOR APPROVAL OF THE ENGINEER, THESE MATERIALS MAY BE PLACED WITHIN THE R/W PROVIDED THERE IS THREE (3') FEET OF MINIMUM COVER AND THERE ARE NO PLANS FOR THE FUTURE WIDENING OF THE ROADWAY.
- PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER.
- 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.
- METAL PIPES UNDERNEATH THE TRAVEL WAY MUST BE REMOVED OR FILLED WITH FLOWABLE FILL. THE COST FOR REMOVAL OF PIPES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE PER LUMP SUM OR IN THE PRICE BID FOR FLOWABLE FILL PER CUBIC YARD.
- IN AREAS WHERE NEW PAVEMENT, CURB AND GUTTER, 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".
- ALL RETAINING WALLS SHALL HAVE ASHLAR STONE FORM LINER OR OTHER FORM LINER AS DIRECTED. THIS APPLIES TO ALL RETAINING WALL FACES EXPOSED TO PUBLIC VIEW. ALL RETAINING WALL EXPOSED FACES SHALL HAVE ANTI-GRAFFITI COATING. THE ASHLAR FINISH AND ANTI-GRAFFITI COATING SHALL BE INCLUDED IN THE PRICE OF THE WALL.
- ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR REQUIRED RIGHT OF WAY, WHICHEVER IS GREATER. ALL DRIVEWAYS OVER 11% IN GRADE SHALL BE PAVED WITH CONCRETE. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH / GRAVEL DRIVES. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLAN. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. EXISTING DRIVEWAY LOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA; THE CONTRACTOR SHALL CONSTRUCT DRIVEWAYS TO MATCH THE LOCATION OF THE EXISTING DRIVEWAYS AT THE TIE IN POINT, IF APPLICABLE. 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. DRIVES SHALL BE CONSTRUCTED AS FOLLOWS:
 

ASPHALTIC DRIVES	
RESIDENTIAL	- 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, 165 LB/SY - 6" GRADED AGGREGATE BASE
COMMERCIAL	- 1-1/2" ASPH. CONC. 12.5 SUPERPAVE, 165 LB/SY - 2" ASPH. CONC. 19MM SUPERPAVE, 220 LB/SY - 6" GRADED AGGREGATE BASE
CONCRETE DRIVES	
RESIDENTIAL	- 6" CONCRETE VALLEY GUTTER - 4" CONCRETE DRIVEWAY
COMMERCIAL	- 8" CONCRETE VALLEY GUTTER - 6" CONCRETE DRIVEWAY
- ALL CONCRETE SIDEWALKS AND WHEEL CHAIR RAMPS LOCATED IN THE RADIUS RETURN SHALL BE 8" THICKNESS.

**PROJECT GENERAL NOTES CONT'D:**

- LUMP-SUM TRAFFIC CONTROL: THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL SHALL INCLUDE THE COST OF STAGED CONSTRUCTION, MAINTENANCE OF TRAFFIC (INCLUDING AGGREGATE SURFACE COURSE), INSTALLATION AND REMOVAL OF ALL TEMPORARY SIGNAGE, INTERIM PAVEMENT MARKINGS, BARRICADES, AND OTHER INTERIM TRAFFIC CONTROL DEVICES NECESSARY FOR THE CONSTRUCTION AND MAINTENANCE OF THE PROJECT. DEVICES UTILIZED ON THE PROJECT SHALL BE IN COMPLIANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION AND SECTION 150. ALL DEVICES, SIGNS, POSTS, BARRICADES, ETC SHALL BE FROM THE GOOT QUALIFIED PRODUCTS LIST (OPL). ALL DEVICES SHALL BE CRASHWORTHY UNDER AASHTO AND NCHRP 350 REQUIREMENTS. THE ENGINEER MAY DIRECT THAT ADDITIONAL DEVICES AND MARKINGS BE ADDED TO THE TRAFFIC CONTROL PLAN. THE COST OF NOMINAL ITEMS ADDED BY THE ENGINEER SHALL BE INCLUDED IN LUMP-SUM TRAFFIC CONTROL EXCEPT FOR THE ADDITION OF A CHANGEABLE MESSAGE SIGN(S). THE CONTRACT UNIT PRICE WILL BE PAID FOR A CHANGEABLE MESSAGE SIGN(S) OR A UNIT PRICE WILL BE DETERMINED WHEN A CHANGEABLE MESSAGE SIGN(S) IS NOT INCLUDED IN THE CONTRACT.
- DETOURS IN THE PLANS; SUGGESTED DETOURS SHOWN IN THE PLANS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL SUBMIT ON SITE AND OFF SITE DETOURS, AS PER SPECIAL PROVISION 150. TRAFFIC CONTROL, FOR REVIEW AND APPROVAL. THE COST OF MAINTENANCE, GRADING, TEMPORARY DRAINAGE, TEMPORARY SIGNAGE, TEMPORARY MARKINGS AND TEMPORARY DEVICES SHALL BE INCLUDED IN LUMP-SUM TRAFFIC CONTROL. THE COST OF STONE BASE(GAB) AND THE PLACEMENT OF THE TYPICAL PAVEMENT SECTION, TEMPORARY BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL, AND ANCHORS, IF NEEDED, WILL BE PAID AT CONTRACT UNIT PRICES, IF NO PAY ITEM IS SET UP FOR THE FOREMENTIONED ITEMS FOR DETOURS THEN, IF REQUIRED, WILL BE INCLUDED IN LUMP SUM TRAFFIC CONTROL, AND IT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. ANY UNIT PRICES SET UP WILL INCLUDE INSTALLATION AND REMOVAL PERMANENT DEVICES, TO BE INCORPORATED INTO THE FINAL WORK, MAY BE USED FOR INTERIM/TEMPORARY DUTIES PROVIDED THE PERMANENT DEVICES ARE NOT DAMAGED DURING THE INTERIM USAGE. THE COST FOR REPLACEMENT OF DAMAGED COMPONENTS SHALL BE AT THE CONTRACTOR'S EXPENSE.
 

DETOURS NOT SHOWN IN THE PLANS (DETOURS PROPOSED BY THE CONTRACTOR); THE COST TO INSTALL, MAINTAIN AND REMOVE ANY DETOUR SHALL BE INCLUDED IN THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL. THE COST OF GRADING, PAVEMENT, SIGNING, MARKINGS, TEMPORARY DEVICES, TEMPORARY CONCRETE BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL AND ANCHORS, ETC SHALL BE INCLUDED IN THE PRICE BID FOR LUMP-SUM TRAFFIC CONTROL. DETOURS NOT SHOWN IN THE PLANS WILL NOT BE ELIGIBLE TO BE PAID AT CONTRACT UNIT PRICES.
- ALL CUT AND FILL SLOPES SHALL BE STABILIZED TO COMPLY WITH SECTION 161.3.05.B OF THE SPECIFICATIONS IN ORDER TO REDUCE THE POTENTIAL FOR EROSION. IF THE SEASON DOES NOT PERMIT PERMANENT GRASSING, TEMPORARY STRAW MULCH AND/OR TEMPORARY VEGETATION SHALL BE USED AS PER THE EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP) OR AS DIRECTED BY THE ENGINEER.
- EROSION CONTROL MEASURES SHALL BE INSTALLED TO BE IN COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP). EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES THAT INVOLVE ENVIRONMENTAL SENSITIVE AREAS (ESA'S) AS DEFINED UNDER SECTION 107.23.F OF THE SPECIFICATIONS AND THE ESPCP. IN GENERAL, EROSION CONTROL ITEMS SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES.
- 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".
- 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 OTHER ITEMS.
- AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 4.07 ACRES.
- ATTENTION IS CALLED TO SECTION 149.3, CONSTRUCTION REQUIREMENTS, CONTRACTOR IS REQUIRED TO TAKE THREE-POINT LEVELS ON WIDENING AND RECONSTRUCTION PROJECTS AND OBTAIN THE ENGINEER'S APPROVAL OF THE "BEST FIT" PROFILE AND CROSS SLOPE, TO MINIMIZE LEVELING REQUIREMENTS OF THE EXISTING ROADWAY. THE CONTRACTOR MUST GET THE ENGINEER'S APPROVAL OF THE PROPOSED BEST FIT BEFORE BEGINNING WIDENING AND RECONSTRUCTION. COST FOR SURVEY WORK TO BE INCLUDED IN GRADING COMPLETE OR OTHER ITEMS, NO SEPARATE PAYMENT SHALL BE MADE.
- ALL ROADWAY DRAINAGE PIPES SHALL BE REINFORCED CONCRETE. THE GOOT PIPE SELECTION CHART MAY ONLY BE USED FOR DRIVEWAY PIPES.
- CONTRACTOR TO PROVIDE PRE-CONSTRUCTION PHOTOS OF ALL DRIVEWAYS TO PROJECT ENGINEER PRIOR TO CONSTRUCTION. PHOTOS MAY BE DIGITAL.
- ALL EXISTING STORM DRAIN PIPES INCLUDING BOX CULVERTS WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEANED PRIOR TO COMPLETION OF PROJECT. COST TO BE INCLUDED IN GRADING COMPLETE.
- ALL GRASSED MEDIANS, LANDSCAPED AREAS BETWEEN THE BACK OF CURB AND SIDEWALK AND TO SHOULDER BREAK POINT SHALL BE SOODED WITH TIFTOP BERMUDA SOD, UNLESS THERE IS EXISTING GRASS. THEN THE SOD TYPE FROM BACK OF CURB TO EXISTING GRASS SHALL MATCH ADJACENT GRASS. ALL COST ASSOCIATED WITH THIS REQUIREMENT, INCLUDING 4" TOPSOIL, SHALL BE INCLUDED IN THE PRICE BID FOR 700-9000 SOD.
- ALL EXISTING PEDESTRIAN FACILITIES, INCLUDING ACCESS TO TRANSIT STOPS, SHALL BE MAINTAINED. WHERE PEDESTRIAN ROUTES ARE CLOSED, ALTERNATE ROUTES SHALL BE PROVIDED. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED WITHIN THE LIMITS OF THE PROJECT, THE TEMPORARY PEDESTRIAN FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY (PER LATEST MUTCD). COST FOR CONSTRUCTING AND MAINTAINING TEMPORARY PEDESTRIAN FACILITIES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
- THE ROADWAY FINAL SURFACE COURSE JOINTS MUST MATCH THE PROPOSED LANE EDGES AS SHOWN IN THE PAVEMENT MARKING PLANS.

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

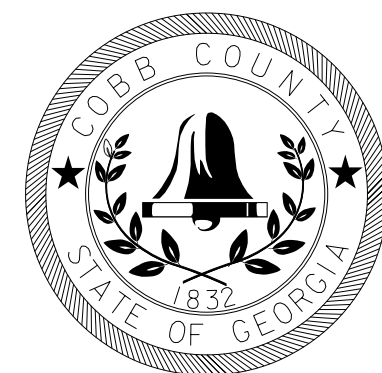
- ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGNS SHALL HAVE TYPE 11 RETROREFLECTIVE SHEETING.
- IN RESIDENTIAL 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. DETOUR AND OTHER CLOSURE SIGNS/DEVICES SHALL BE INSTALLED SO AS TO NOT BLOCK SIGHT OF EXISTING TRAFFIC SIGNS.
- THE WORKSITE TRAFFIC CONTROL SUPERVISOR (WTCS) SHALL BE RESPONSIBLE FOR THE ELIMINATION OF ANY CONFLICTING PAVEMENT MARKINGS. THE WTCS SHALL NOT USE "BLACK OUT PAINT" TO ERADICATE CONFLICTING MARKINGS. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION WHETHER THE CONFLICTING MARKINGS HAVE BEEN ADEQUATELY ELIMINATED.
- TEMPORARY TRAFFIC BARRIERS SHALL HAVE A TWO (2') FOOT MINIMUM OFFSET FROM THE EDGE OF ANY TRAVEL LANE. ONLY TRAFFIC DRUMS, MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150, AND TEMPORARY BARRIERS THAT ARE CRASHWORTHY SHALL BE USED ADJACENT TO TRAVEL LANES. UNLESS PRIOR APPROVAL IS GRANTED BY COBB COUNTY DEPARTMENT OF TRANSPORTATION, THE TEMPORARY BARRIERS CAN NOT BE PLACED LESS THAN TWO (2') FEET FROM THE EDGE OF THE TRAVEL LANE. THE USE OF TYPE I AND II BARRICADES AND TRAFFIC CONES IS PROHIBITED.
- TRAFFIC DRUMS MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150 SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. FOR ANY WORK ZONE, THE MAXIMUM DRUM SPACING, IN FEET, SHALL BE THE DESIGN OR POSTED SPEED LIMIT, WHICHEVER IS LESS. BASED ON FIELD CONDITIONS, THE MAXIMUM SPACING OF THE TRAFFIC DRUMS MAY NEED TO BE FURTHER REDUCED.
- 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 DEPARTMENT OF TRANSPORTATION 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 DEPARTMENT.
- THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM COBB COUNTY DEPARTMENT OF TRANSPORTATION A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE. FOR INFORMATION CALL (770) 528-1600.
- REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL STREET CLOSURE. EACH BARRICADE SHALL HAVE TWO TYPE "A" LIGHTS AND ONE R11-2 (ROAD CLOSED) SIGN ATTACHED.
- ALL M-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES. THESE BLADES SHALL HAVE 4" SERIES "B" UPPER AND LOWER-CASE LETTERING AND SHALL BE "BLACK ON ORANGE"
- 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 OR THE BEGINNING OF THE DETOUR ROUTE, OR AS SHOWN ON APPROVED PLANS (SEE SPECIFICATIONS BELOW):
 

(ROAD NAME) WILL BE CLOSED TO THRU TRAFFIC  
FROM (SIDE ROAD) TO (SIDE ROAD)  
(DATE) THRU (DATE)  
(REASON FOR CLOSURE)  
FOR INFO CALL (770) 528-1653

THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK UPPER AND LOWER CASE LETTERING (SERIES "B" OR WIDER) ON WHITE BACKGROUND.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY COBB COUNTY DEPARTMENT OF TRANSPORTATION BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
- NO LANE CLOSURES ARE ALLOWED BETWEEN 6-9AM AND 4-7PM WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL DRIVEWAYS AT ALL TIMES.

**CCT BUS SHELTER**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OR REMOVAL OF THE EXISTING BUS SHELTER(S). TWO WEEKS PRIOR TO THE EXISTING SHELTER BEING IN THE WAY OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY CCT AND COPY THE PROJECT ENGINEER. CCT WILL REMOVE THE SHELTER TO ANOTHER LOCATION (ABOVE GROUND ONLY). NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR COORDINATING WITH CCT.
- THE BUS STOP AREA SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT BUT MAY BE ADJUSTED AS NEEDED DURING CONFLICTS WITH CONSTRUCTION. AGGREGATE SURFACE COURSE SHALL BE USED TO CREATE A 10' BY 10' GRAVEL PAD ADJACENT TO THE PAVEMENT AT EACH BUS STOP LOCATION. THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY GRAVEL BUS STOP PAD DURING THE LIFE OF THE CONSTRUCTION PROJECT. ADDITIONAL AGGREGATE SURFACE COURSE MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. ALL COSTS TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE PER LUMP SUM.
- ONCE THE CONTRACTOR HAS GRADED THE NEW BUS STOP LOCATION, PLACED THE CONCRETE PAD ACCORDING TO THE DETAILS IN THESE PLANS INCLUDING ADJACENT SIDEWALK CONNECTIONS TO THE BACK OF THE CURB AND GRASSED THE AREA AROUND THE SHELTER LOCATION, THE CONTRACTOR SHALL CONTACT CCT THAT THE SITE IS READY FOR A SHELTER. CCT WILL RELOCATE OR INSTALL A SHELTER ON THE NEW PAD. ALL COSTS ASSOCIATED WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE COST BID FOR GRADING COMPLETE PER LUMP SUM FOR THE GRADING; CONCRETE SIDEWALK, 6 IN. FOR THE SHELTER PAD PER SQUARE YARD AND THE APPROPRIATE PAY ITEMS FOR EROSION CONTROL AND PERMANENT GRASSING.



PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
  
 0 65 Aberdeen Drive, Douglasville, GA 30101 (770) 421-1220  
 0 360 Acworth Landing Drive, Acworth, GA 30001 (770) 421-8422  
 0 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813  
**AMERICAN ENGINEERS, INC.**  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING

**REVISION DATES**

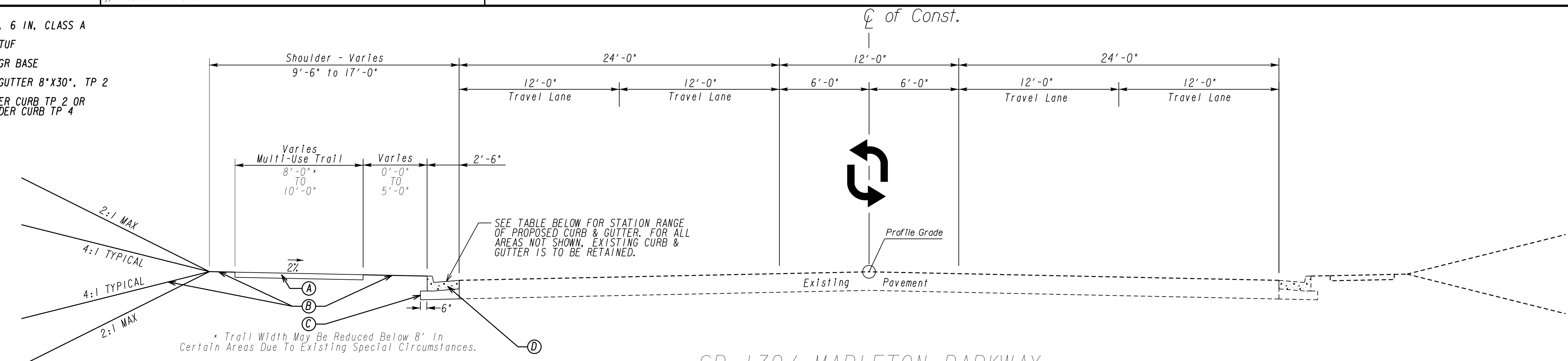
NO.	DATE	DESCRIPTION

**GENERAL NOTES**

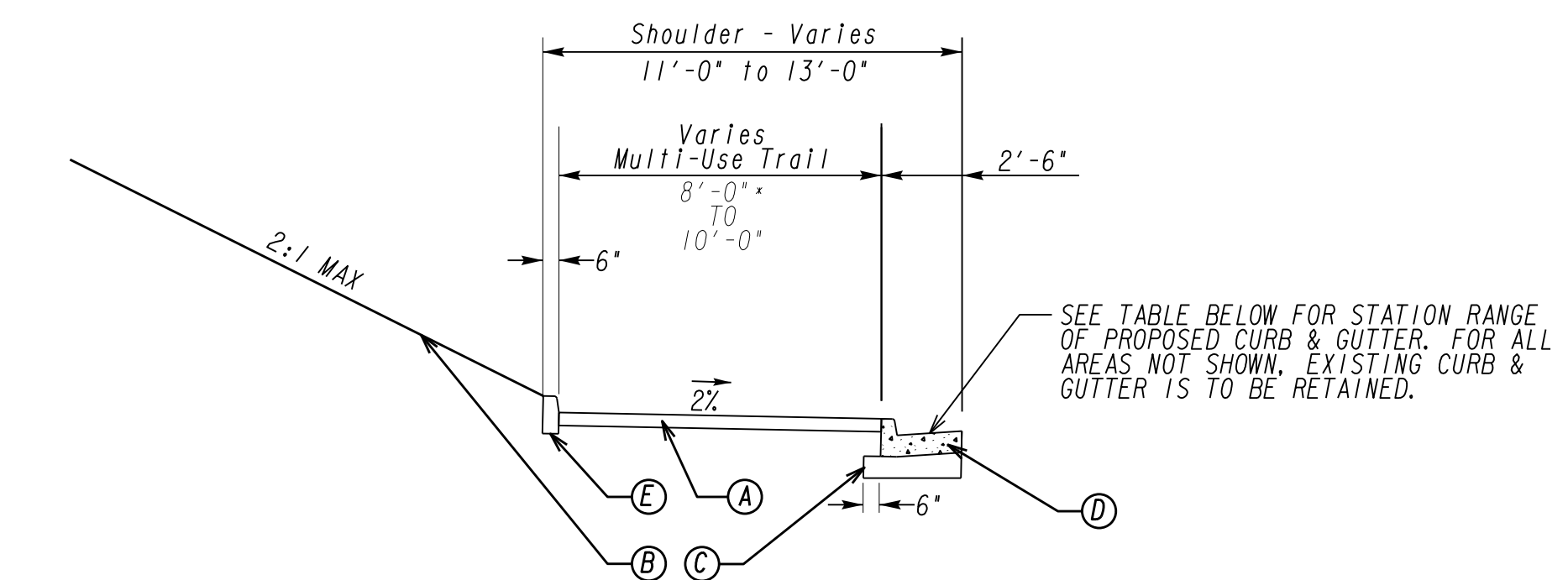
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>04-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

- (A) CONC SIDEWALK, 6 IN. CLASS A
- (B) SODDING, TIF-TUF
- (C) 12" GRADED AGGR BASE
- (D) CONC. CURB & GUTTER 8"x30", TP 2
- (E) 6" CONC. HEADER CURB TP 2 OR 10" CONC. HEADER CURB TP 4

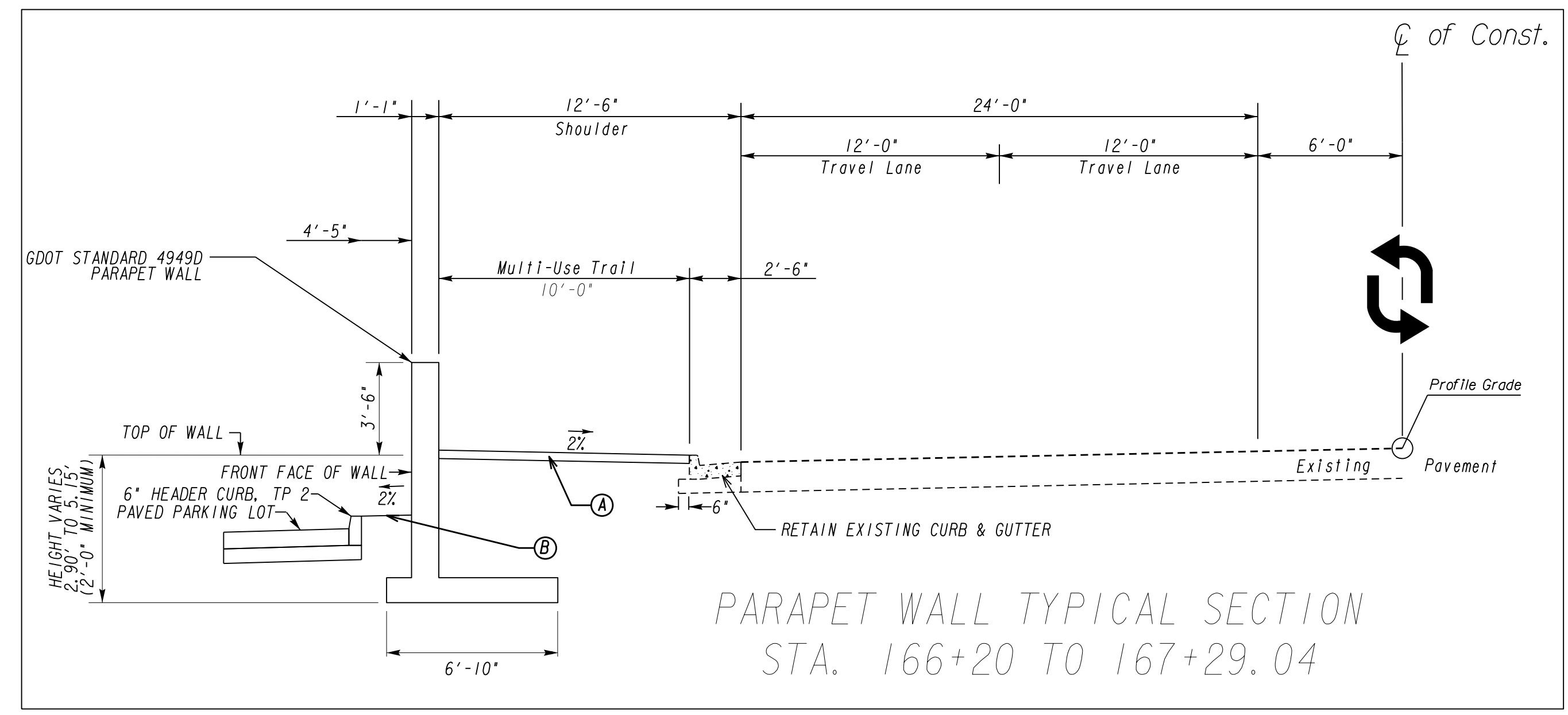


SR 139/ MABLETON PARKWAY  
TYPICAL SECTION

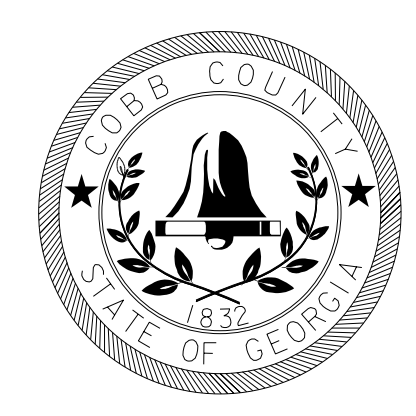


MULTI-USE TRAIL WITH HEADER CURB AT BACK  
TYPICAL SECTION  
SEE PLANS FOR LOCATIONS

CURB & GUTTER TO BE REPLACED		CURB & GUTTER TO BE REPLACED	
Begin	End	Begin	End
140+08.57	141+50.00	183+11.62	183+37.82
144+84.81	145+12.81	183+87.72	184+09.59
146+47.00	146+83.69	185+46.15	185+78.67
147+30.69	147+65.05	186+10.81	186+51.03
148+55.08	150+25.04	187+65.00	188+10.00
150+87.64	151+07.47	190+00.00	190+35.00
152+88.23	154+69.72	190+80.00	191+45.00
155+15.26	155+50.00	192+50.00	192+85.00
158+60.53	158+65.72	194+02.79	197+80.86
158+92.88	159+03.90	198+11.75	198+68.10
163+56.18	499+45.00	199+13.08	199+31.15
499+08.24	166+10.38	199+53.15	199+79.96
167+06.16	167+86.74	200+02.79	200+30.86
169+15.63	171+57.48	200+74.26	201+24.90
172+21.45	172+42.95	201+78.20	201+90.41
171+73.40	519+25.34	202+30.44	202+45.66
519+40.00	178+78.23	202+95.91	203+16.38
179+26.25	179+59.49	204+05.84	204+28.45
180+13.22	180+49.22	204+60.44	204+87.44
181+16.83	181+86.29	205+27.49	205+49.16
182+15.00	182+63.51	604+55.74	604+25.00



PARAPET WALL TYPICAL SECTION  
STA. 166+20 TO 167+29.04

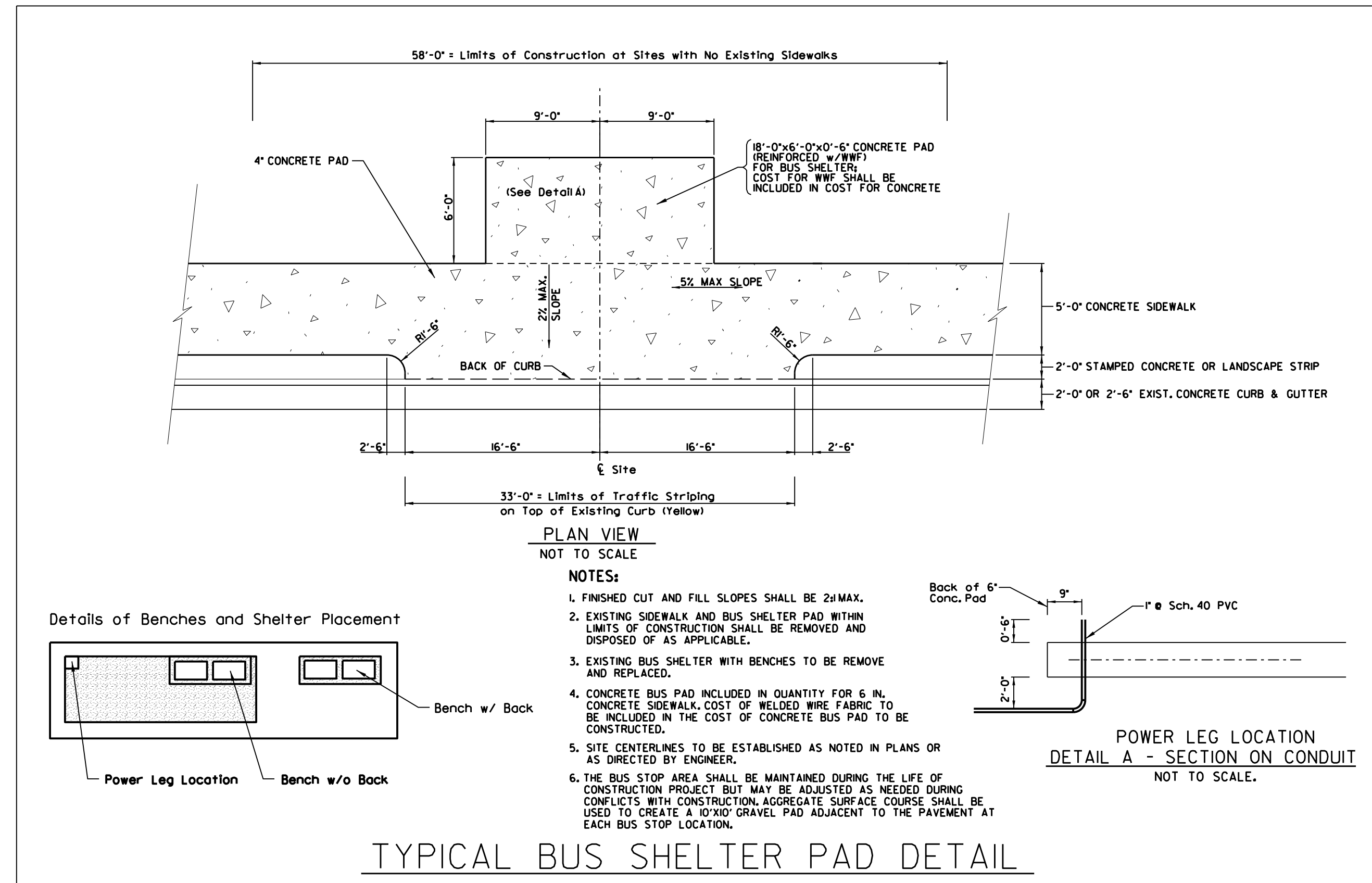


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

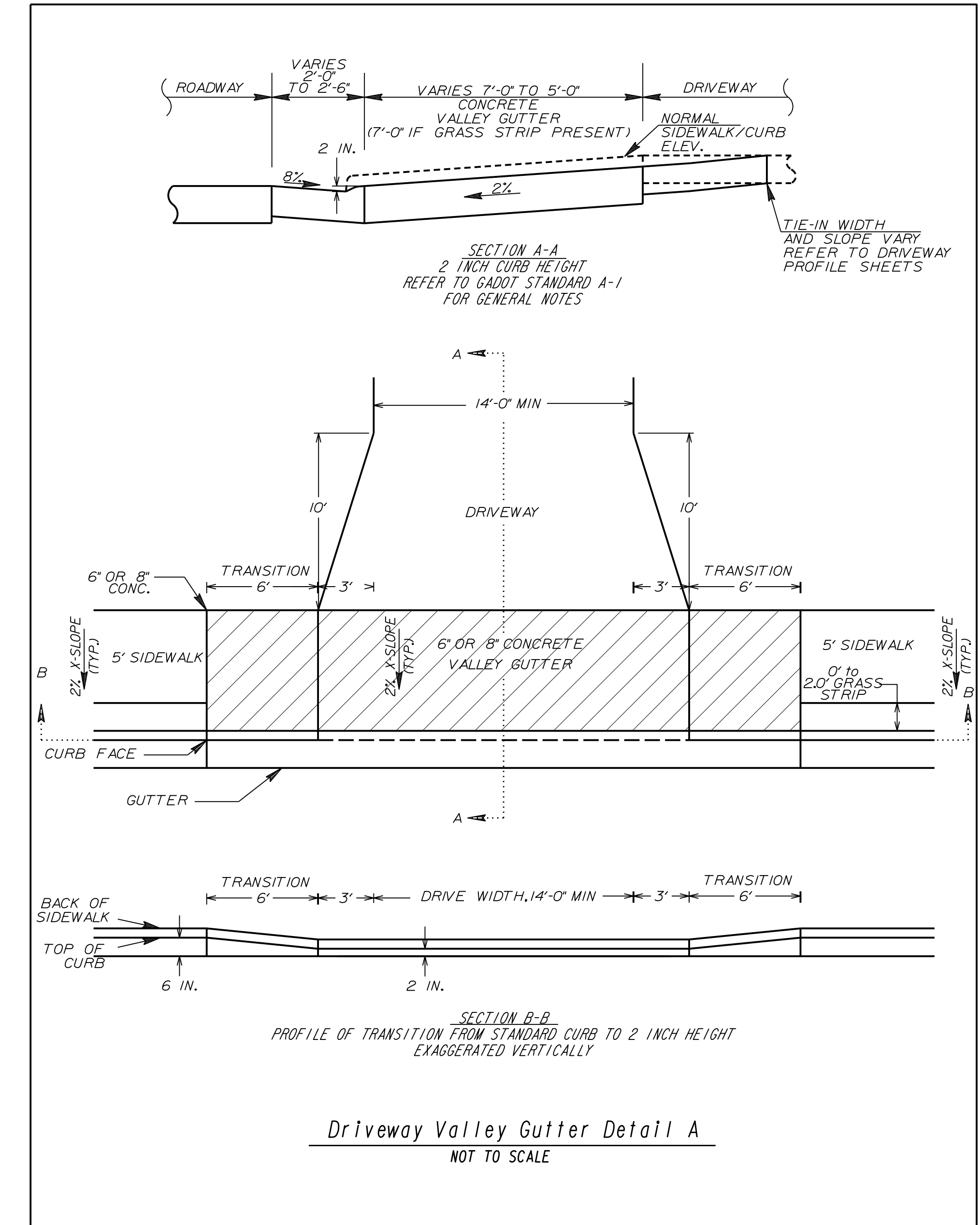
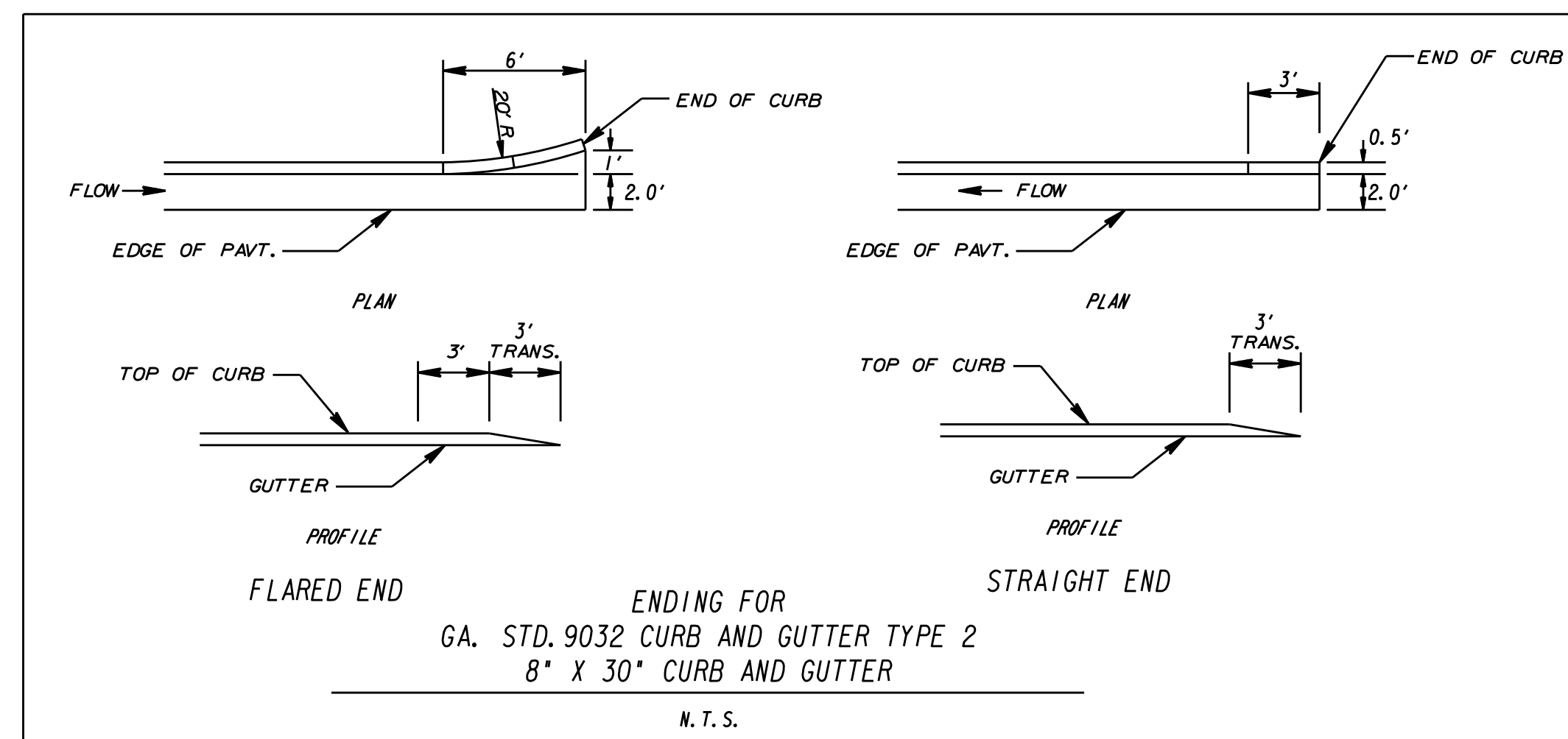
*N. T. S.*

REVISION DATES	

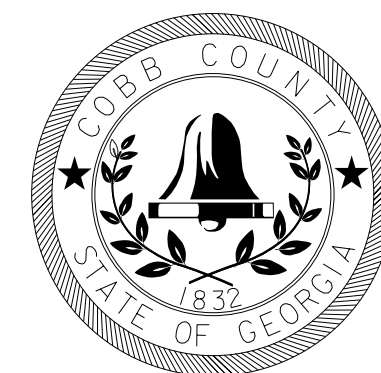
TYPICAL SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	05-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



3-1-2022



3-1-2022



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

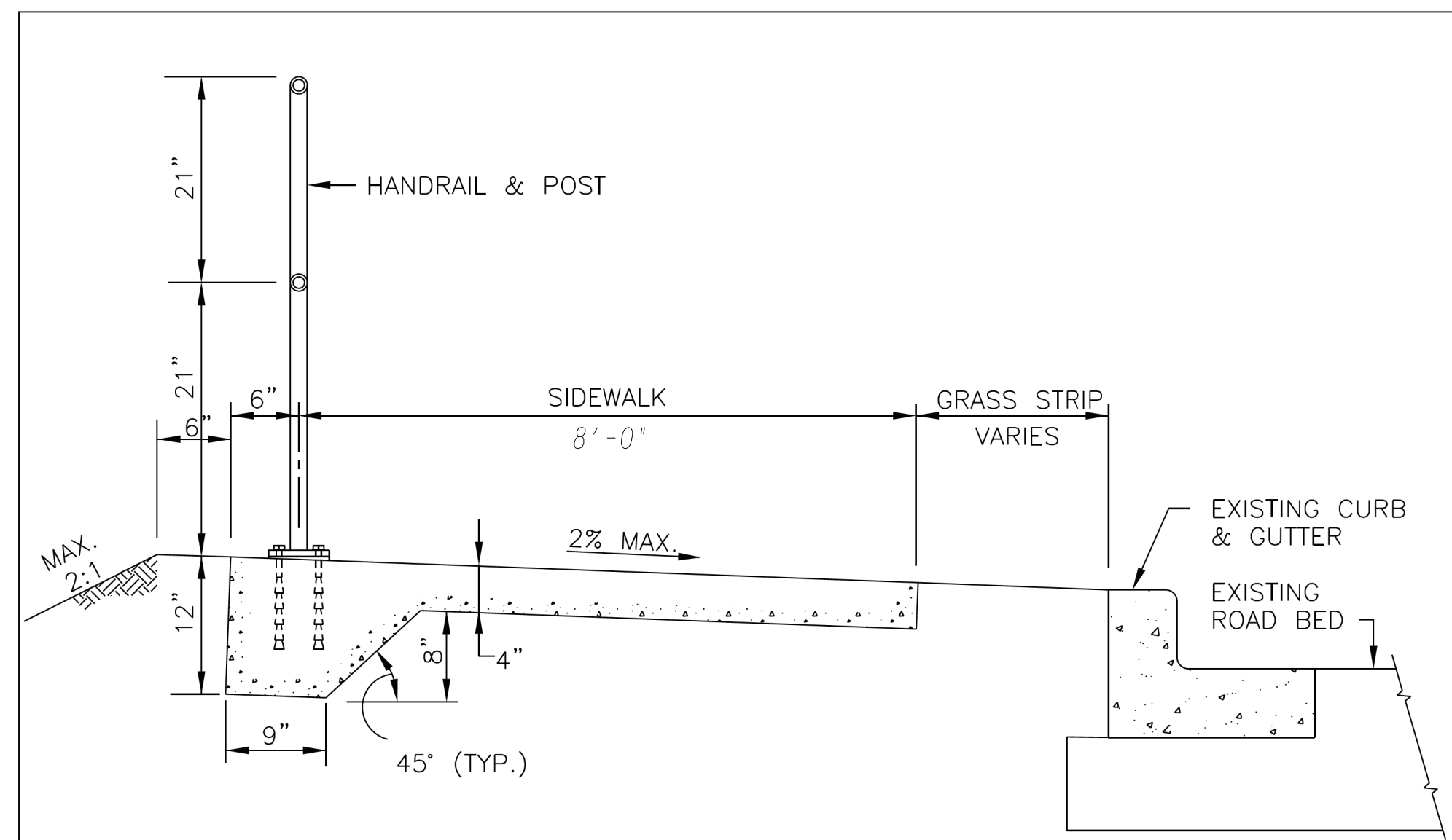
N. T. S.

REVISION DATES

NO.	DATE	DESCRIPTION

TYPICAL SECTIONS  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>05-0002</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



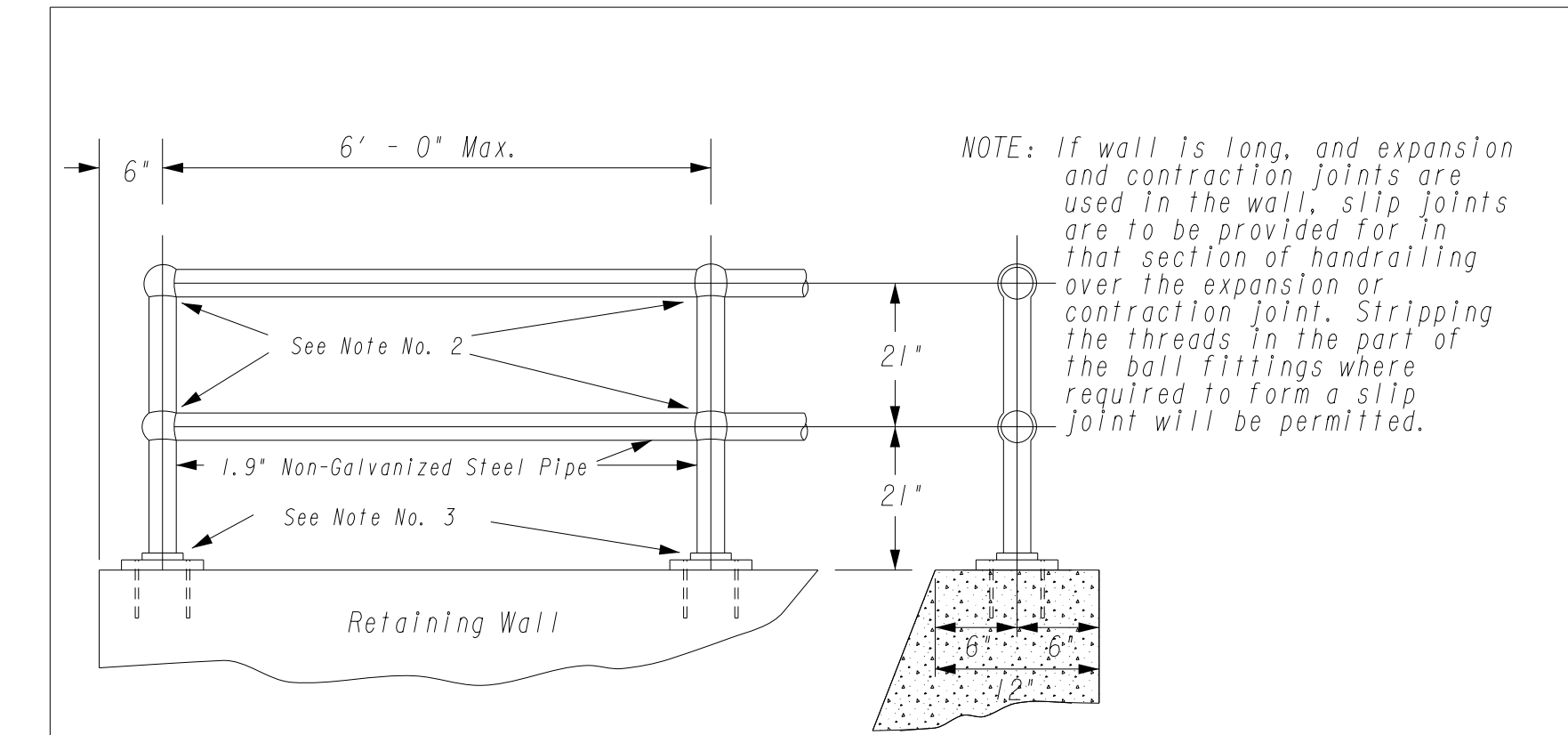
NOTE:

1. HANDRAIL AND POST SHALL BE 1.9" NON-GALVANIZED STEEL PIPE, BLACK POWDER COATED OR 1.9" BLACK POLYKOTE SS40 PIPE. ASSOCIATED HARDWARE SHALL ALSO BE BLACK POWDER COATED.
2. JOINTS -
  - a.) NON-GALVANIZED BLACK POWDER COATED STEEL FITTINGS OR COUPLINGS MAY BE USED AT JOINTS (AS SHOWN) IF RAIL IS PRE-FABRICATED.
  - OR--
  - b.) IF RAIL IS CONSTRUCTED ON-SITE, JOINTS MAY BE WELDED. IF WELDED, ALL EXPOSED JOINTS SHALL BE FINISHED BY GRINDING OR FILING TO GIVE A NEAT APPEARANCE. ALL DAMAGE TO STEEL SHALL BE REPAIRED IN ACCORDANCE WITH THE GA STANDARD SPECIFICATIONS. JOINTS TO BE PAINTED BLACK AFTER INSTALLATION.
3. FOOTINGS -
  - a.) POST TO BE ANCHORED WITH 2 1/2" X 6 1/2" NON-GALVANIZED BLACK POWDER COATED FLOOR FLANGES WITH 4-1/2" X 9" NON-GALVANIZED BLACK POWDER COATED BOLTS (AS SHOWN) AND BEVELED SHIM PLATES AS REQUIRED.
4. 1.9" DENOTES O.D. FOR RAIL SECTIONS. I.D. = 1 1/2"
5. ADDITIONAL CONCRETE FOR TURNDOWN SHALL BE INCLUDE IN THE COST FOR CONCRETE SIDEWALK 4".

**HANDRAIL TO SIDEWALK DETAIL**  
NOT TO SCALE

3-1-2022

STA 172+19 TO 173+00



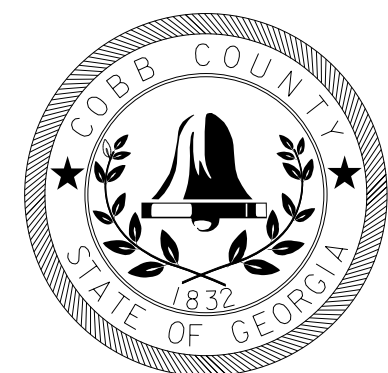
NOTE: Pipe, pipe fittings, floor flanges and bolts shall be of an approved standard type.


1. HANDRAIL AND POST SHALL BE 1.9" NON-GALVANIZED STEEL PIPE, BLACK POWDER COATED OR 1.9" BLACK POLYKOTE SS40 PIPE. ASSOCIATED HARDWARE SHALL ALSO BE BLACK POWDER COATED.
2. JOINTS -
  - a.) NON-GALVANIZED BLACK POWDER COATED STEEL FITTINGS OR COUPLINGS MAY BE USED AT JOINTS (AS SHOWN) IF RAIL IS PRE-FABRICATED.
  - OR--
  - b.) IF RAIL IS CONSTRUCTED ON-SITE, JOINTS MAY BE WELDED. IF WELDED, ALL EXPOSED JOINTS SHALL BE FINISHED BY GRINDING OR FILING TO GIVE A NEAT APPEARANCE. ALL DAMAGE TO STEEL SHALL BE REPAIRED IN ACCORDANCE WITH THE GA STANDARD SPECIFICATIONS. JOINTS TO BE PAINTED BLACK AFTER INSTALLATION.
3. FOOTINGS -
  - a.) POST MAY BE ANCHORED WITH 2 1/2" X 6 1/2" NON-GALVANIZED BLACK POWDER COATED FLOOR FLANGES WITH 4-1/2" X 9" NON-GALVANIZED BLACK POWDER COATED BOLTS (AS SHOWN).
4. 1.9" DENOTES O.D. FOR RAIL SECTIONS. I.D. = 1 1/2".

**HANDRAIL DETAIL FOR RETAINING WALL**  
NOT TO SCALE

STA 498+54 TO 499+28

3-1-2022



PLANS PREPARED AND SUBMITTED BY:  
 **AEI**  
 65 Aberdeen Drive, Glasgow, KY 42044  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 960 Acworth Landing Drive, Acworth, GA 30011  
 (502) 345-3813  
**AMERICAN ENGINEERS, INC.**  
 DESIGN CONSULTANT

N. T. S.

REVISION DATES

NO.	DATE	DESCRIPTION

**TYPICAL SECTIONS**  
MABLETON PKWY TRAIL, PHASE II

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

05-0003

# SUMMARY OF QUANTITIES

## SUMMARY OF DRIVEWAY QUANTITIES

\* NOTE: FOR INFORMATION ONLY; SEE SURFACING QUANTITIES BLOCK

LOCATION	WIDTH	6" VALLEY GUTTER	8" VALLEY GUTTER	1 1/2" ASPHALT CONC. 12.5MM	2" ASPHALT CONC. 19MM	6" GRADED AGGREGATE BASE COURSE	DRIVEWAY CONC. 4"	DRIVEWAY CONC. 6"	TACK COAT	CURB & GUTTER 8" X 24", TP 2	HEADER CURB, 6", TP 2	HEADER CURB, 10", TP 4	MEDIAN, 6", TP 7
STATION & SIDE	FT	SY	SY	SY	SY	SY	SY	SY	GAL	LF	LF	LF	SY
140+50 LT	30		81			39		103		73			
144+99 LT	14		47					8					
148+98 LT	32		60	19	19	21			2	7			
149+82 LT	34		55	67	67	83			4	56	30		
153+33 LT	30		49	19	19	26			2	26	10		
153+96 LT	22		44					82			63		
164+00 LT	36		68	58	58	58			4		28		
167+47 LT	30		63					156			142		
169+56 LT	18		60					45					
170+74 LT	32		51	52	52	52			4		22		
171+15 LT	28		58	47	47	47			3		17		
173+15 LT	28		70					67				22	
175+88 LT	30		131	43	54	66			4	42			12
177+75 PARKING LOT	N/A			83	83	83			5		112		
180+31 LT	24		40	48	48	48			3				
181+65 LT	28		47					76			56		
182+40 LT	28	44					39						
183+25 LT	14	29					22						
185+62 LT	14	53		43		43			3				
194+89 LT	40		90					76			71		
196+03 LT	18		60					39					
196+76 LT	18		70	38	38	38			3		15		
198+51 LT	20		25	33	33	33			2		35		
201+57 LT	22			93	93	104			6	39			
202+19 LT	22			128	128	136			8	28	36		
<b>TOTAL</b>		126	1169	771	728	877	61	652	53	271	637	22	12

## SURFACING QUANTITIES

ITEMS	UNIT	ROADWAY	DRIVEWAY	TEMPORARY	AS DIRECTED BY ENGINEER	TOTAL
1 1/2" 12.5 MM RECYCLED ASPH CONC SUPERPAVE (165 LBS/SY), GP 2 ONLY, INCL BITUM MATL & H LIME	SY		771		39	810
2" 19 MM RECYCLED ASPH CONCRETE SUPERPAVE (220 LBS/SY), GP 1 OR 2, INCL BITUM MATL & H LIME	SY		728		84	812
TACK COAT	GAL		53		7	60
GRADED AGGREGATE BASE COURSE, 6 INCH, INCL MATL	SY	8	877		45	930
GRADED AGGREGATE BASE COURSE, 12 INCH, INCL MATL	SY	825			50	875
CONC CURB & GUTTER, 8" X 24", TP 2	LF	29	271		15	315
CONC CURB & GUTTER, 8" X 30", TP 2	LF	2225			125	2350
CONCRETE HEADER CURB, 6 IN, TP 2	LF	220	637		43	900
CONCRETE HEADER CURB, 10 IN, TP 4	LF	616	22		32	670
CONC VALLEY GUTTER, 6 IN	SY		126		14	140
CONC VALLEY GUTTER, 8 IN	SY		1169		56	1225
DRIVEWAY CONCRETE, 4 IN THK	SY		61		4	65
DRIVEWAY CONCRETE, 6 IN THK	SY		652		33	685
CONC SIDEWALK, 6 IN, CLASS A	SY	4074			226	4300
CONC SIDEWALK, 8 IN, CLASS A	SY	1326			74	1400
CONC MEDIAN, 6 IN, TP 7	SY		12		3	15

CONSTRUCTION ALLOWANCE - X2770  
LUMP

TRAFFIC CONTROL - X2770  
LUMP

GRADING COMPLETE - X2770  
LUMP

TEMPORARY BARRIER - METHOD NO. 1  
TOTAL (LF) 140

CLASS B CONCRETE, RETAINING WALL  
TOTAL (CY) 7

RIGHT OF WAY MARKERS  
TOTAL (EA) 46

RIGHT OF WAY PROPERTY PINS  
TOTAL (EA) 47

RESET METAL GATE  
TOTAL (EA) 4

CLASS A CONCRETE, TYPE P1, RETAINING WALL  
TOTAL (LF) 115

POLYKOTE BLACK STEEL PIPE HANDRAIL  
TOTAL (LF) 200

UNDERDRAIN PIPE INCL DRAINAGE AGGR, 6 IN  
AS DIRECTED BY ENGINEER (LF) 100

TRAFFIC CONTROL PORTABLE ATTENUATOR  
TOTAL (EA) 1

FOUNDATIONAL BACKFILL MATERIAL TP 2  
AS DIRECTED BY ENGINEER (CY) 30

## TEMPORARY EROSION CONTROL

ITEMS	UNIT	SUB-TOTAL	AS DIRECTED BY ENGINEER	TOTAL
SOD	SY	6542	358	6900
TEMPORARY GRASSING	AC	1		1
MULCH	TN	60		60
AGRICULTURAL LIME	TN	3		3
FERTILIZER MIXED GRADE	TN	3		3
FERTILIZER NITROGEN CONTENT	LB	150		150
CONSTRUCT & REMOVE CONSTRUCTION EXITS	EA	4		4
MAINTENANCE OF CONSTRUCTION EXIT	EA	4		4
CONSTRUCT & REMOVE SILT CONTROL GATES, TP 3	EA	12		12
MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	12		12
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	76		76
MAINTENANCE OF INLET SEDIMENT TRAP	EA	76		76
CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	2		2
MAINTENANCE OF ROCK FILTER DAM	EA	2		2
TEMPORARY SILT FENCE TYPE C	LF	2560	140	2700
MAINTENANCE OF TEMPORARY SILT FENCE TYPE C	LF	1280	70	1350
ORANGE BARRIER FENCE 4'	LF	46	4	50
WATER QUALITY MONITORING AND SAMPLING	EA	8		8
WATER QUALITY INSPECTIONS	MO	18		18
PERMANENT GRASSING	AC	1		1
EROSION CONTROL MATS, SLOPES	SY	89	11	100

## SIGNAL QUANTITIES

ITEMS	UNIT	TOTAL
TRAFFIC SIGNAL INSTALLATION NO. 1	LS	1
TRAFFIC SIGNAL INSTALLATION NO. 2	LS	1
DIRECTIONAL BORE - 3 IN	LF	215
CONDUIT, NONMETAL, TP 3, 1 IN	LF	10
CONDUIT, NONMETAL, TP 3, 2 IN	LF	665
PEDESTRIAN DETECTION SYSTEM, NO. 1	LS	1
PEDESTRIAN DETECTION SYSTEM, NO. 2	LS	1
INDUCTANCE LOOP DETECTION SYSTEM, NO. 1	LS	1
INDUCTANCE LOOP DETECTION SYSTEM, NO. 2	LS	1

## WATER QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL
A-0140	UTILITY ALLOWANCE	ALL	1
A-0190	EXPLORATORY EXCAVATION ALLOWANCE	HR	40
G-0450	ADJUST EXISTING VALVE BOX TO GRADE - IN PAVEMENT	EA	22
G-0460	WATER METER BOX ADJUSTMENT TO GRADE	EA	1
G-0465	WATER METER VAULT ADJUSTMENT TO GRADE	EA	1
S-1021	ADJUST EXISTING MANHOLE TO GRADE	EA	2
W-0101	1-INCH COPPER SERVICE LINE	LF	50
W-0106	6-INCH DUCTILE IRON SJ CL 350 WATER MAIN	LF	610
W-0106A	6-INCH DUCTILE IRON SJ CL 350 WM EXTRA DEPTH (0'-4')	LF	100
W-0706	6-INCH MISC. WJ FITTINGS	TON	0.8
W-0706A	6-INCH WEDGE ACTION RETAINER GLANDS	EA	48
W-0900D	HORIZONTAL FIRE HYDRANT EXTENSION	EA	7
W-4006B	CONNECT TO EXISTING 6-INCH WATER MAIN - CUT-IN	EA	12
W-5000.75A	3/4-IN SERVICE LINE REPLACEMENT - SHORT SIDE	EA	2
W-5010	RELOCATE EXISTING 1-INCH WATER METER	EA	2
W-5010	RELOCATE EXISTING 1.5-INCH WATER METER	EA	2
W-5010.75	RELOCATE EXISTING 3/4-INCH WATER METER	EA	14
W-5020.75	REPLACE EXISTING 3/4-INCH WATER METER	EA	1
W-8006	ABANDON EXISTING 6-IN WATER MAIN - IN PLACE	EA	2

### REVISION DATES

NO.	DATE	DESCRIPTION

## SUMMARY QUANTITIES

### MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
www.aei.cc

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



# SUMMARY OF QUANTITIES

DRAINAGE ITEMS																			
STRUCTURE NUMBER	LOCATION	STATION	CLASS A CONCRETE, INCL REINF STEEL	18" STORM DRAIN PIPE, HI-10	24" STORM DRAIN PIPE, HI-10	18" FLARED END SECTION	24" FLARED END SECTION	STN DUMPED RIP RAMP, TP 3, 24 IN	PLASTIC FILTER FABRIC	CATCH BASIN THROAT COMPLETE REPLACEMENT, CAST IN PLACE	RECONSTR JUNCTION BOX	RECONSTR CATCH BASIN, GROUP 1	RECONSTR DROP INLET, GROUP 1	RECONSTR STORM SEWER MANHOLE, TYPE 1	CATCH BASIN, GP 1	CATCH BASIN, GP 1, ADDL DEPTH	DROP INLET, GP 1	DROP INLET, GP 1, ADDL DEPTH	COMMENTS
			CY	LF	LF	EA	EA	SY	SY	EA	EA	EA	EA	EA	EA	LF	EA	LF	
MABLETON PARKWAY																			
A1	LT	143+02.09			45														
A2	LT	143+07.89	1.69					11	11										
B6	LT	149+47.40																	
B1	LT	150+97.53																	
B2	LT	152+97.89																	
B3	LT	153+68.05		67															
B4	LT	154+32.99		62															
B5	LT	154+67.21		36															
C8	LT	163+71.44																	
C9	LT	166+10.91																	
C10	LT	167+88.19																	
C1	LT	168+00.18		5															
C11	LT	170+46.37																	
C2	LT	170+46.62																	
C12	LT	171+02.72																	
C3	LT	172+25.13		8															
C4	LT	172+26.62		4															
C13	LT	172+27.56																	
C10	LT	174+62.11																	
C5	LT	175+47.93																	
C6	LT	177+82.00		231															
C7	LT	177+82.00		17														3	
D3	LT	181+33.16																	
D2	LT	184+04.34			34														
D1	LT	184+08.33						11	11										
E0	LT	190+96.89																	
E2	LT	194+19.41																	
E1	LT	194+21.23		11															
E3	LT	195+78.89																	
E4	LT	197+37.94																	
E8	LT	198+03.75																	
E5	LT	198+69.44																	
E6	LT	201+13.92																	
E7	LT	203+11.27																	
SUBTOTAL			1.69	441	79	2	1	22	22			4	1	8	1	1	6	4	
AS DIRECTED BY ENGINEER			0.31	44	6														
PROJECT TOTAL			2	485	85	2	1	22	22	9	1	4	1	8	1	1	6	4	



PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
www.aei.cc

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

Branch Office:  
 O 65 Aberdeen Drive  
 Marietta, GA 30067  
 (770) 651-7220  
 O 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 245-3813  
 O 5160 Acworth Landing Drive  
 Acworth, GA 30092  
 (770) 421-8422

REVISION DATES

NO.	DATE	DESCRIPTION

**SUMMARY QUANTITIES**  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	06-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STATION	INSTL. NO.	SIGN CODE	HIGHWAY SIGNS						SQUARE TUBE POST						
			TP 1 MATL. SHEETING TP 11			TP 2 MATL. SHEETING TP 11			TYPE 7			TYPE 9			
			SIZE (IN X IN)	QUANTITY (EA)	AREA (SF)	SIZE (IN X IN)	QUANTITY (EA)	AREA (SF)	LENGTH (LF)	QUANTITY (EA)	TOTAL LENGTH (LF)	LENGTH (LF)	QUANTITY (EA)	TOTAL LENGTH (LF)	
WABLETON PARKWAY															
140+30 LT	1	R1-1	36 X 36	1	7.56						13	1	13		
146+79 LT	2	R1-1	36 X 36	1	7.56						13	1	13		
147+35 LT	3	D3-1	48 X 12	2	8						12	3	36		
147+35 LT	3	D3-1				66 X 12	2	11							
148+76 LT	4	R1-1	36 X 36	1	7.56						13	1	13		
149+58 LT	5	R1-1	36 X 36	1	7.56						13	1	13		
151+23 LT	6	W2-7L	36 X 36	1	9						16	2	32		
151+23 LT	6	W16-8ap				60 X 18	1	7.5							
153+10 LT	7	R1-1	36 X 36	1	7.56						13	1	13		
153+80 LT	8	R1-1	36 X 36	1	7.56						13	1	13		
154+60 LT	9	R1-1	36 X 36	1	7.56						13	1	13		
155+20 LT	9	R5-2	24 X 24	1	4						12	1	12		
155+25 LT	10	D3-1	48 X 12	2	8						12	3	36		
155+25 LT	10	D3-1				66 X 12	2	11							
156+35 LT	11	R2-1	30 X 36	1	7.5						15	1	15		
162+62 LT	12	D10-1	10 X 18	1	1.25						12	1	12		
163+78 LT	13	R1-1	36 X 36	1	7.56						13	1	13		
167+29 LT	14	R1-1	36 X 36	1	7.56						13	1	13		
169+44 LT	15	R1-1	36 X 36	1	7.56						13	1	13		
170+29 LT	16	W3-3	36 X 36	1	9						16	2	32		
170+29 LT	16	W16-8ap				72 X 18	1	9							
170+52 LT	17	R1-1	36 X 36	1	7.56						13	1	13		
170+99 LT	18	R1-1	36 X 36	1	7.56						13	1	13		
172+97 LT	19	R1-1	36 X 36	1	7.56						13	1	13		
175+64 LT	20	R1-1	36 X 36	1	7.56						15	1	15		
175+64 LT	20	R3-2	24 X 24	1	4										
178+44 LT	21	W3-3	36 X 36	1	9						16	2	32		
178+44 LT	21	W16-8ap				60 X 18	1	7.5							
178+78 LT	22	R1-1	36 X 36	1	7.56						13	1	13		
179+33 LT	23	D3-1				66 X 12	2	11			12	3	36		
179+33 LT	23	D3-1				66 X 12	2	11							
179+84 LT	24	R2-1	30 X 36	1	7.5						15	1	15		
179+84 LT	24	R14-1	24 X 18	1	3										
180+18 LT	25	R1-1	36 X 36	1	7.56						13	1	13		
181+48 LT	26	R1-1	36 X 36	1	7.56						13	1	13		
182+67 LT	27	W2-2R	36 X 36	1	9						15	1	15		
182+67 LT	27	W16-8p	48 X 9	1	3										
185+00 LT	28	W11-8	36 X 36	1	9						13	1	13		
186+50 LT	29	R1-1	36 X 36	1	7.56						13	1	13		
186+96 LT	30	D3-1				66 X 12	2	11			12	3	36		
186+96 LT	30	D3-1				66 X 12	2	11							
190+70 LT	31	W2-2R	36 X 36	1	9						15	1	15		
190+70 LT	31	W16-8p	48 X 9	1	3										
194+65 LT	32	R1-1	36 X 36	1	7.56						13	1	13		
196+36 LT	33	W2-2L	36 X 36	1	9						15	1	15		
196+36 LT	33	W16-8p	42 X 9	1	2.63										
196+67 LT	34	R1-1	36 X 36	1	7.56						13	1	13		
197+74 LT	35	R1-1	36 X 36	1	7.56						13	1	13		
198+15 LT	36	D3-1	48 X 12	2	8						12	3	36		
198+15 LT	36	D3-1				66 X 12	2	11							
198+36 LT	37	R1-1	36 X 36	1	7.56						13	1	13		
199+26 LT	38	R1-1	36 X 36	1	7.56						13	1	13		
200+30 LT	39	R1-1	36 X 36	1	7.56						13	1	13		
200+95 LT	40	W2-1	36 X 36	1	9						16	2	32		
200+95 LT	40	W16-8ap	48 X 18	1	6										
201+31 LT	41	R1-1	36 X 36	1	7.56						13	1	13		
201+80 LT	42	D2-2				60 X 30	1	12.5			13	2	26		
201+99 LT	43	R1-1	36 X 36	1	7.56						13	1	13		
203+62 LT	44	M3-2	24 X 12	1	2						13	1	13		
203+62 LT	44	M1-5	30 X 24	1	5										
204+25 LT	45	R1-1	36 X 36	1	7.56						13	1	13		
SUB-TOTAL			TP 1 MATL. TP 11 REFL.	349	TP 2 MATL. TP 11 REFL.	113.5	TYPE 7 POST LENGTH	722	TYPE 9 POST LENGTH	90					
AS DIRECTED BY ENGINEER			TP 1 MATL. TP 11 REFL.	31	TP 2 MATL. TP 11 REFL.	11.5	TYPE 7 POST LENGTH	78	TYPE 9 POST LENGTH	10					
PROJECT TOTAL			TP 1 MATL. TP 11 REFL.	380	TP 2 MATL. TP 11 REFL.	125	TYPE 7 POST LENGTH	800	TYPE 9 POST LENGTH	100					

# SUMMARY OF QUANTITIES

TRAFFIC STRIPE				
DESCRIPTION	UNIT	QUANTITY		
		THERMOPLASTIC	AS DIRECTED BY ENGINEER	TOTAL
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN. WHITE	LF	5550	450	6000
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN. WHITE	LF	214	21	235
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN. WHITE	LF	2586	254	2840
PAVEMENT MARKING ARROW, TP 1	EA	7		7
REW EXIST TRAF STRIPE & MARKING, ALL KINDS & TYPE	LF	1450	150	1600

REMOVE AND RESET EX. SIGN  
TOTAL (EA) 5

SPLOST SIGN INSTALLATION, HARDWARE, POSTS  
TOTAL (EA) 2

PEACH SIGN INSTALLATION, HARDWARE, POSTS  
TOTAL (EA) 2



PLANS PREPARED AND SUBMITTED BY:  
 AMERICAN ENGINEERS, INC.  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 245-3813  
 www.aei.com

REVISION DATES

SUMMARY QUANTITIES			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	06-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





ADJUST PAY ITEMS AND QUANTITIES AS REQUIRED

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
SECTION ROADWAY ITEMS			
150-1000	TRAFFIC CONTROL	LS	1
150-5010	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	EA	1
205-0100	CONSTRUCTION ALLOWANCE	LS	1
207-0203	FOUND BK FILL MATL. TP 11	CY	30
210-0100	GRADING COMPLETE	LS	1
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	930
310-5120	GR AGGR BASE CRS, 12 INCH, INCL MATL	SY	875
402-3910	11*2* RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2, INCL BITUM MATL & H LIME	SY	810
402-4012	2* RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	SY	812
413-0750	TACK COAT	GL	60
441-0014	DRIVEWAY CONCRETE, 4 IN TK	SY	65
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	685
441-0106	CONC. SIDEWALK, 6 IN, CLASS A	SY	4300
441-0108A	CONC. SIDEWALK, 8 IN, CLASS A	SY	1400
441-0749	CONCRETE MEDIAN, 6 IN, TP 7	SY	15
441-4020	CONC VALLEY GUTTER, 6 IN	SY	140
441-4030	CONC VALLEY GUTTER, 8 IN	SY	1225
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	900
441-5004	CONCRETE HEADER CURB, 10 IN, TP 4	LF	670
441-6216	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	LF	315
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	2350
500-3110A	CLASS A CONCRETE, TYPE PI, RETAINING WALL	LF	115
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	7
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	2
515-4000	POLYKOTE BLACK STEEL PIPE HANDRAIL	LF	200
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	485
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	85
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	2
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	EA	1
573-2006	UNDERDRAIN PIPE INCL DRAINAGE AGGR, 6 IN	LF	100
603-2182	STN DUMPED RIP RAP, TP 3, 24 IN	SY	22
603-7000	PLASTIC FILTER FABRIC	SY	22
611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	4
611-3008A	CATCH BASIN THROAT, COMPLETE REPLACEMENT, CAST IN PLACE	EA	9
611-3010	RECONSTR DROP INLET, GROUP 1	EA	1
611-3030	RECONSTR STORM SEW MANHOLE, TYPE 1	EA	8
611-3100	RECONSTR JUNCTION BOX	EA	1
611-4997	RESET METAL GATE	EA	4
620-0100	TEMPORARY BARRIER - METHOD NO. 1	LF	140
634-1200	RIGHT OF WAY MARKERS	EA	46
634-1201	RIGHT OF WAY, PROPERTY LINE IRON PIN	EA	47
668-1100	CATCH BASIN, GP 1	EA	1
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	1
668-2100	DROP INLET, GP 1	EA	6
668-2110	DROP INLET, GP 1, ADDL DEPTH	LF	4
SECTION SIGNING AND MARKING ITEMS			
611-5365	REMOVE AND REST EXISTING SIGNS	EA	5
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	380
636-1046	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 11	SF	125
636-2070	GALV STEEL POSTS, TP 7	LF	800
636-2090	GALV STEEL POSTS, TP 9	LF	100
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	7
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6000
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	235

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	2840
656-3600B	REM EXIST TRAF STRIPE & MARKING, ALL KINDS & TYPE	LF	1600
999-3015	SPLOST SIGN INSTALLATION, HARDWARE, POSTS	EA	2
999-3025	PEACH SIGN INSTALLATION, HARDWARE, POSTS	EA	2
SECTION EROSION CONTROL ITEMS			
163-0232	TEMPORARY GRASSING	AC	1
163-0240	MULCH	TN	60
163-0301	CONSTRUCT & REMOVE CONSTRUCTION EXITS	EA	4
163-0503	CONSTRUCT & REMOVE SILT CONTROL GATE, TP 3	EA	12
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	2
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	76
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	1350
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	12
165-0101A	MAINTENANCE OF CONSTRUCTION EXIT	EA	4
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	76
165-0110	MAINTENANCE OF ROCK FILTER DAM	EA	2
167-1000A	WATER QUALITY MONITORING AND SAMPLING	EA	8
167-1500	WATER QUALITY INSPECTIONS	MO	18
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	2700
643-8200	BARRIER FENCE (ORANGE), 4 FT	LF	50
700-6910	PERMANENT GRASSING	AC	1
700-7000	AGRICULTURAL LIME	TN	3
700-8000	FERTILIZER MIXED GRADE	TN	3
700-8100	FERTILIZER NITROGEN CONTENT	LB	150
700-9300A	SOD, BERMUDA TIFWAY	SY	6900
716-2000	EROSION CONTROL MATS, SLOPES	SY	100
SECTION TRAFFIC SIGNAL ITEMS			
615-1200	DIRECTIONAL BORE, 3 IN	LF	215
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LS	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	LS	1
682-6230	CONDUIT, NONMETAL, TP 3, 1 IN	LF	10
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	665
937-4000	INDUCTION LOOP DETECTION SYSTEM, NO. 1	LS	1
937-4000	INDUCTION LOOP DETECTION SYSTEM, NO. 2	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO. 1	LS	1
937-4100	PEDESTRIAN DETECTION SYSTEM, NO. 2	LS	1
SECTION WATER ITEMS			
A-0140	UTILITY ALLOWANCE	HR	1
A-0190	EXPLORATORY EVACUATION ALLOWANCE	HR	40
G-0450	ADJUST EXISTING VALVE BOX TO GRADE - IN PAVEMENT	EA	22
G-0460	WATER METER BOX ADJUSTMENT TO GRADE	EA	1
G-0465	WATER METER VAULT ADJUSTMENT TO GRADE	EA	1
S-1021	ADJUST EXISTING MANHOLE TO GRADE	EA	2
W-0101	1-IN COPPER SERVICE LINE	LF	50
W-0106	6-IN DUCTICLE IRON SJ CL 350 WATER MAIN	LF	610
W-0106A	6-IN DUCTILE IRON SJ CL 350 WM EXTRA DEPTH (0'-4')	LF	100
W-0706	6-IN MISC. MJ FITTINGS	TN	0.8
W-0706A	6-IN WEDGE ACTION RETAINER GLANDS	EA	48
W-0900D	HORIZONTAL FIRE HYDRANT EXTENSION	EA	7
W-4006B	CONNECT TO EXISTING 6-IN WATER MAIN - CUT IN	EA	12
W-5000.75A	3/4-IN SERVICELINE REPLACEMENT - SHORT SIDE	EA	2
W-5010	RELOCATE EXISTING 1-IN WATER METER	EA	2
W-5010	RELOCATE EXISTING 1.5-IN WATER METER	EA	2
W-5010.75	RELOCATE EXISTING 3/4-IN WATER METER	EA	14
W-5020.75	RELOCATE EXISTING 3/4-IN WATER METER	EA	1
W-8006	ABANDON EXISTING 6-IN WATER MAIN - IN PLACE	EA	2



PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
www.aei.cc

DESIGN CONSULTANT

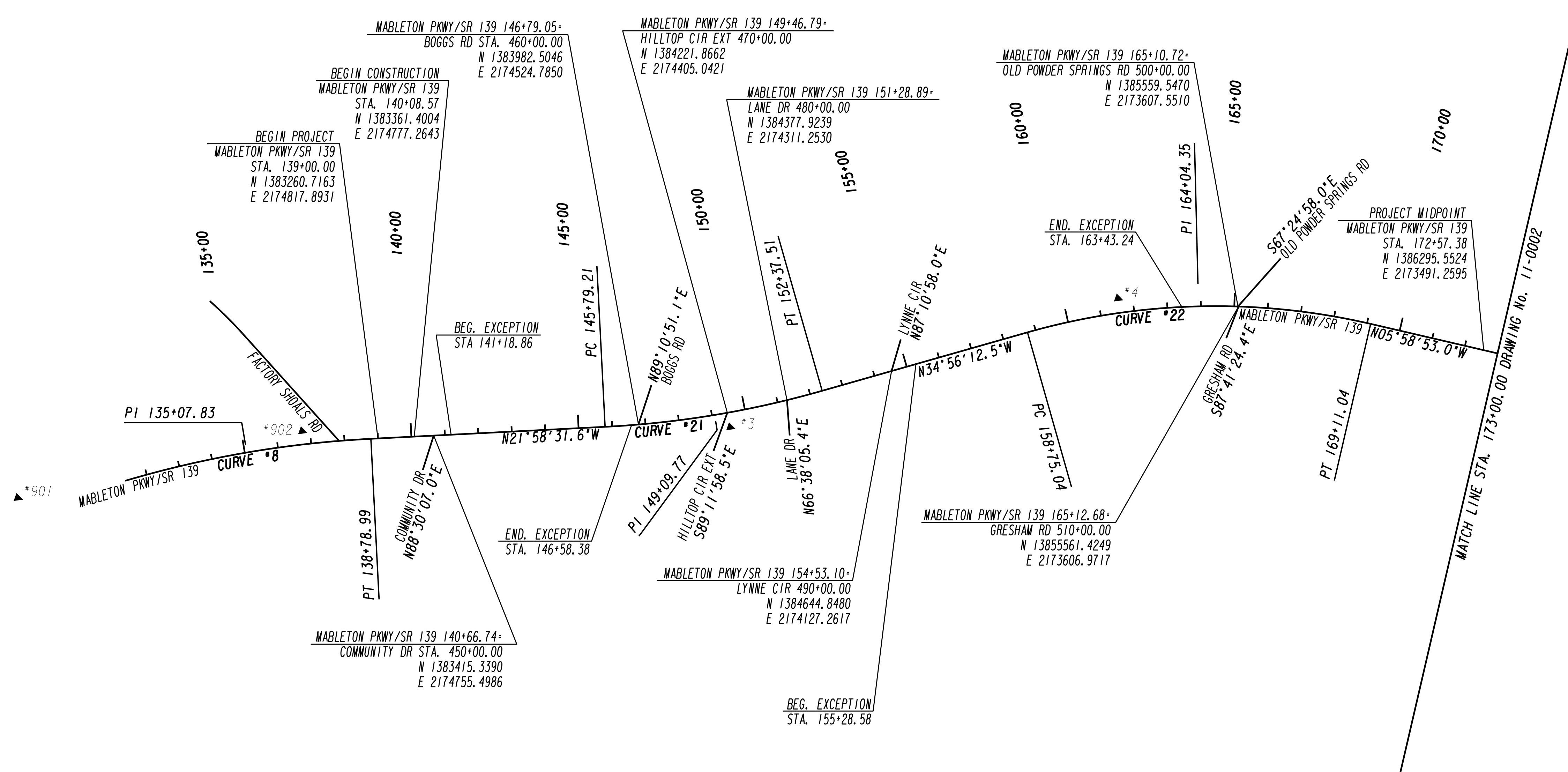
PROFESSIONAL ENGINEERING

REVISION DATES

NO.	DATE	DESCRIPTION

DETAILED ESTIMATE  
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	09-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



CONTROL DATA TABLE						
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
901	1382302.168	2175336.687	1023.56	60d NAIL	--	--
902	1383039.997	2174871.194	1052.46	60d NAIL	136+77.77	39.67 LT
3	1384244.454	2174442.536	1040.58	60d NAIL	149+48.18	43.75 RT
4	1385213.136	2173701.664	1043.52	60d NAIL	161+57.64	43.32 LT

\*CONTROL POINT 901 IS BEYOND CONSTRUCTION LIMITS AND DOES NOT HAVE STATION AND OFFSET

<b>Curve* 8</b>
PI Sta= 135+07.83
N= 1382893.7910
E= 2174965.9576
DELTA= 13°33'56.8" (RT)
D= 01°49'08.09"
T= 374.66
L= 745.82
R= 3150.00
E= 22.20
e= MATCH EXISTING

<b>Curve* 21</b>
PI Sta= 149+09.77
N= 1384197.1214
E= 2174440.0278
DELTA= 12°57'40.9" (LT)
D= 01°58'08.14"
T= 330.56
L= 658.30
R= 2910.00
E= 18.71
e= MATCH EXISTING

<b>Curve* 22</b>
PI Sta= 164+04.35
N= 1385424.6679
E= 2173582.5070
DELTA= 28°57'19.5" (RT)
D= 02°47'41.70"
T= 529.32
L= 1036.00
R= 2050.00
E= 67.23
e= MATCH EXISTING



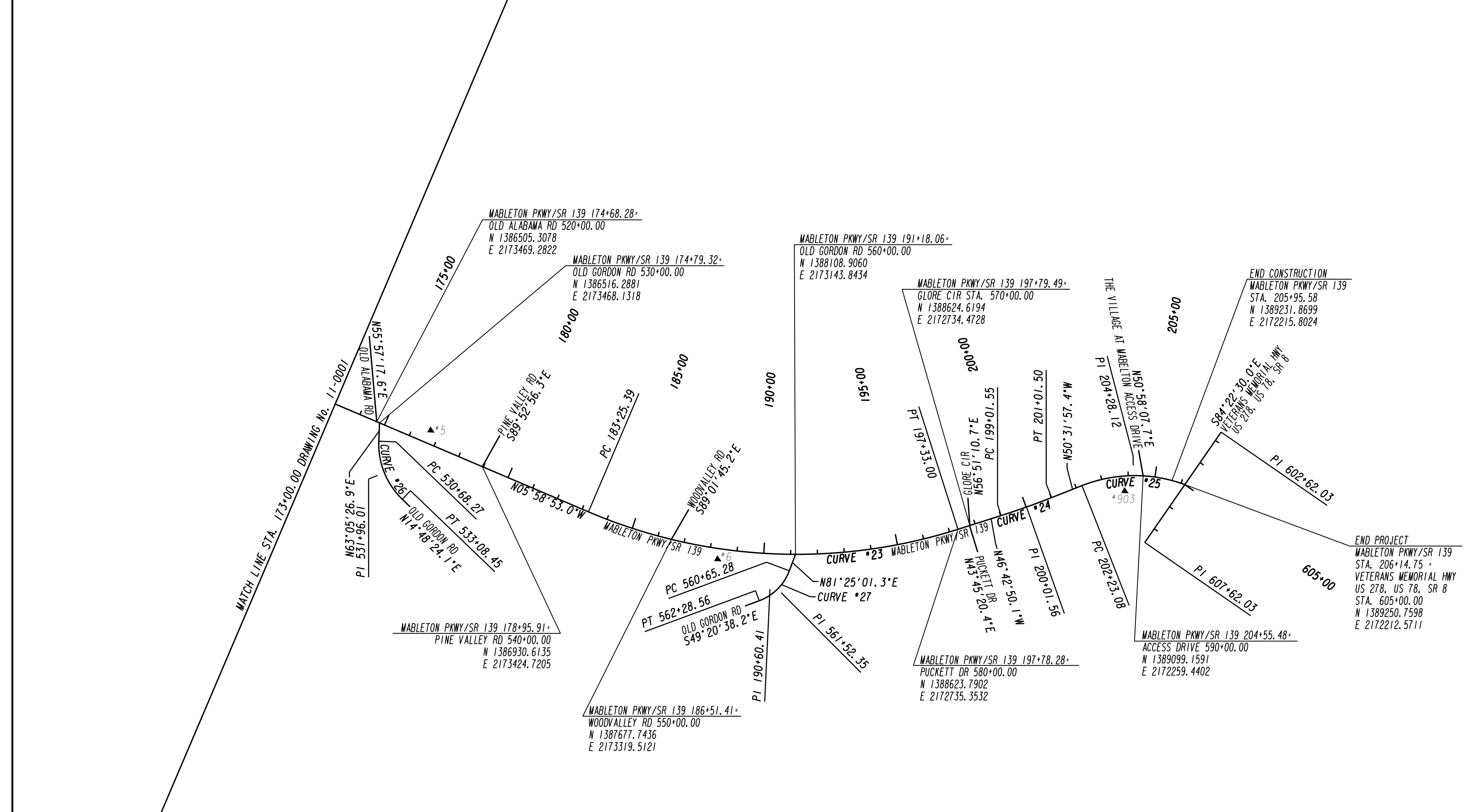
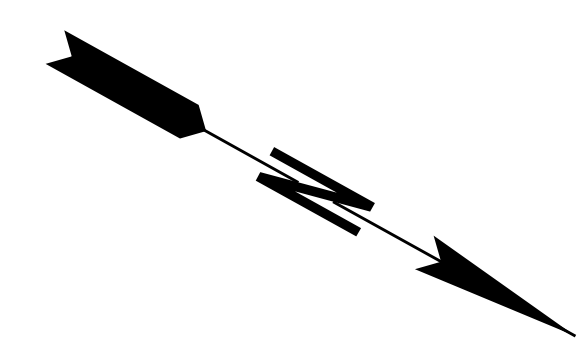
PLANS PREPARED AND SUBMITTED BY: **AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

**CONSTRUCTION LAYOUT**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>11-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



Curve* 26	Curve* 23	Curve* 27	Curve* 24	Curve* 25
PI Sta= 531+96.01 N= 1386604.9987 E= 2173642.9203 DELTA= 48°17'02.9" (LT) D= 20°06'13.62" T= 127.74 L= 240.17 R= 285.00 E= 27.32 e= MATCH EXISTING	PI Sta= 190+60.41 N= 1388088.7754 E= 2173303.3733 DELTA= 40°43'57.1" (LT) D= 02°53'37.41" T= 735.03 L= 1407.62 R= 1980.00 E= 132.03 e= MATCH EXISTING	PI Sta= 561+52.35 N= 1388131.6422 E= 2173294.4830 DELTA= 49°14'20.5" (RT) D= 30°09'20.42" T= 87.07 L= 163.28 R= 190.00 E= 19.00 e= MATCH EXISTING	PI Sta= 200+01.56 N= 1388776.8781 E= 2172572.8212 DELTA= 03°49'07.3" (LT) D= 01°54'35.49" T= 100.01 L= 199.95 R= 3000.00 E= 1.67 e= MATCH EXISTING	PI Sta= 204+28.12 N= 1389048.0607 E= 2172243.4686 DELTA= 41°52'02.4" (RT) D= 10°41'22.24" T= 205.04 L= 391.67 R= 536.00 E= 37.88 e= MATCH EXISTING

POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
5	1386697.285	2173399.938	1099.12	60d NAIL	176+66.44	48.96 LT
6	1387864.557	2173300.701	1073.21	60d NAIL	188+33.09	40.02 RT
903	1389067.355	2172342.062	1023.85	60d NAIL	203+83.22	56.31 RT



PLANS PREPARED AND SUBMITTED BY:

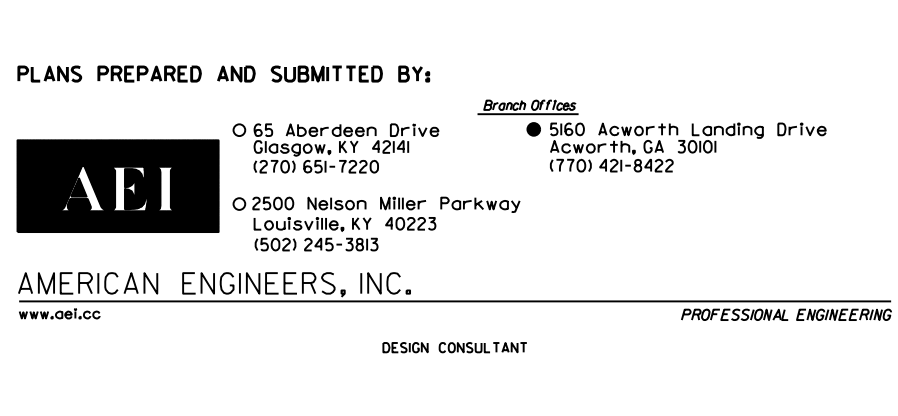
**AEI** AMERICAN ENGINEERS, INC.

0 65 Aberdeen Drive  
Gosport, KY 42048  
1700-681-7200

0 2500 Nelson Miller Parkway  
Louisville, KY 40223  
502-345-3818

0 560 Acworth Landing Drive  
Acworth, GA 30001  
1770-421-8422

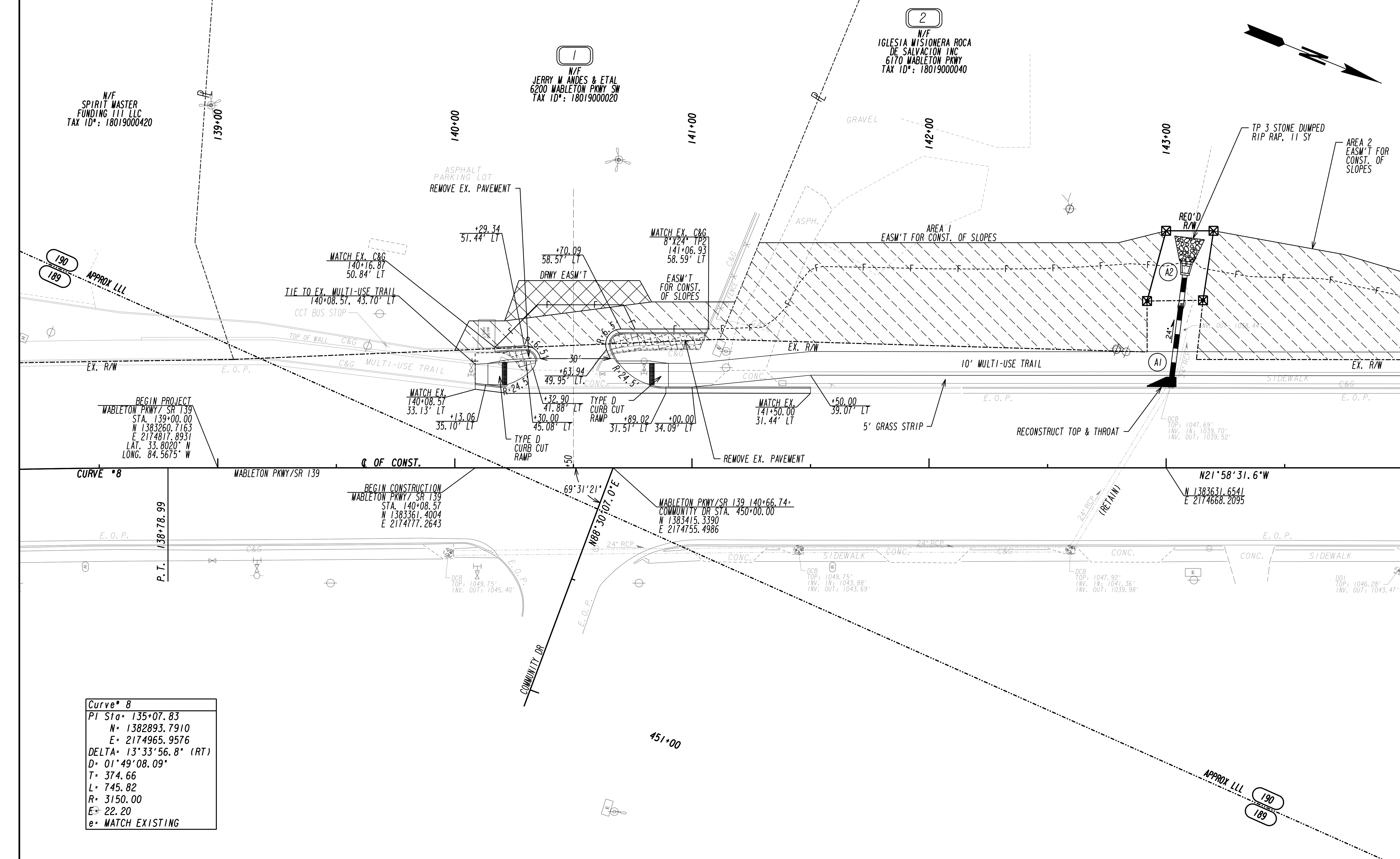
DESIGN CONSULTANT      PROFESSIONAL ENGINEERING



NO.	DATE	DESCRIPTION

**CONSTRUCTION LAYOUT**  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>11-0002</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



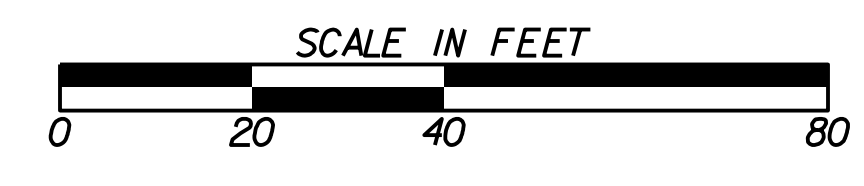
BEGIN PROJECT  
 MABLETON PKWY/SR 139  
 STA. 139+00.00  
 N 1383260.7163  
 E 2174817.8931  
 LAT. 33.8020° N  
 LONG. 84.5675° W

**Curve # 8**  
 PI Sta= 135+07.83  
 N= 1382893.7910  
 E= 2174965.9576  
 DELTA= 13°33'56.8" (RT)  
 D= 01°49'08.09"  
 T= 374.66  
 L= 745.82  
 R= 3150.00  
 E= 22.20  
 e= MATCH EXISTING

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



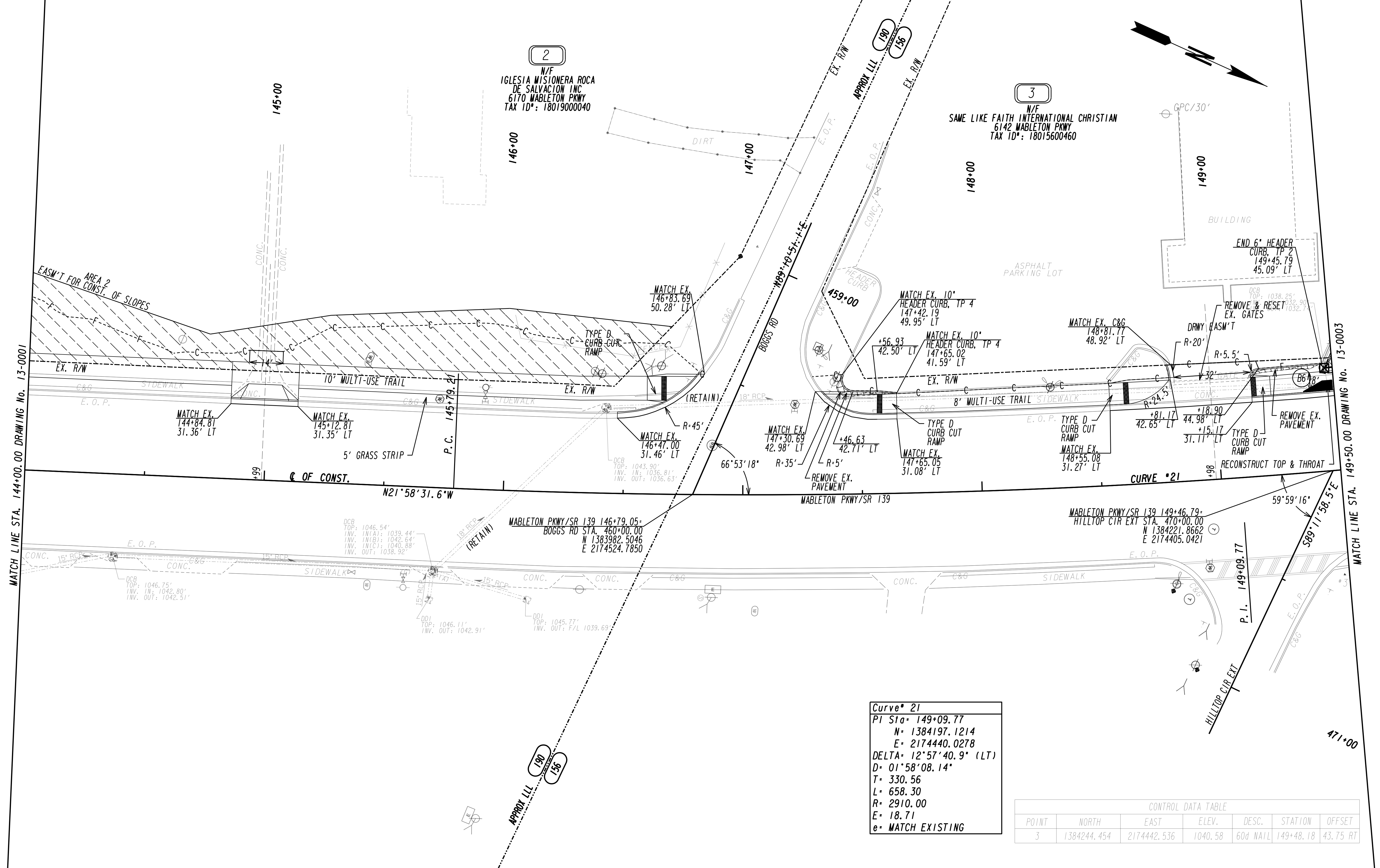
REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>13-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

MATCH LINE STA. 144+00.00 DRAWING No. 13-0002

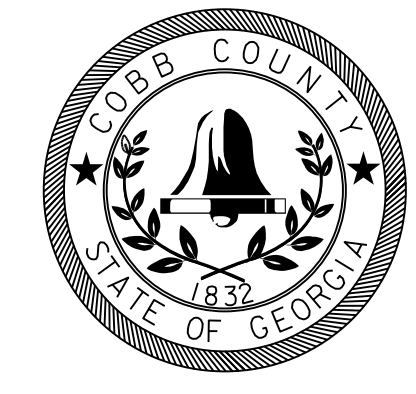




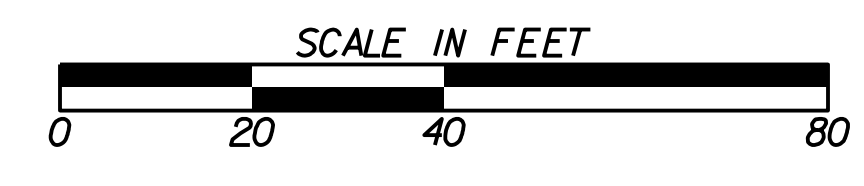
**Curve\* 21**  
 PI Sta= 149+09.77  
 N= 1384197.1214  
 E= 2174440.0278  
 DELTA= 12°57'40.9" (LT)  
 D= 01°58'08.14"  
 T= 330.56  
 L= 658.30  
 R= 2910.00  
 E= 18.71  
 e= MATCH EXISTING

CONTROL DATA TABLE					
POINT	NORTH	EAST	ELEV.	DESC.	STATION OFFSET
3	1384244.454	2174442.536	1040.58	60d NAIL	149+48.18 43.75 RT

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



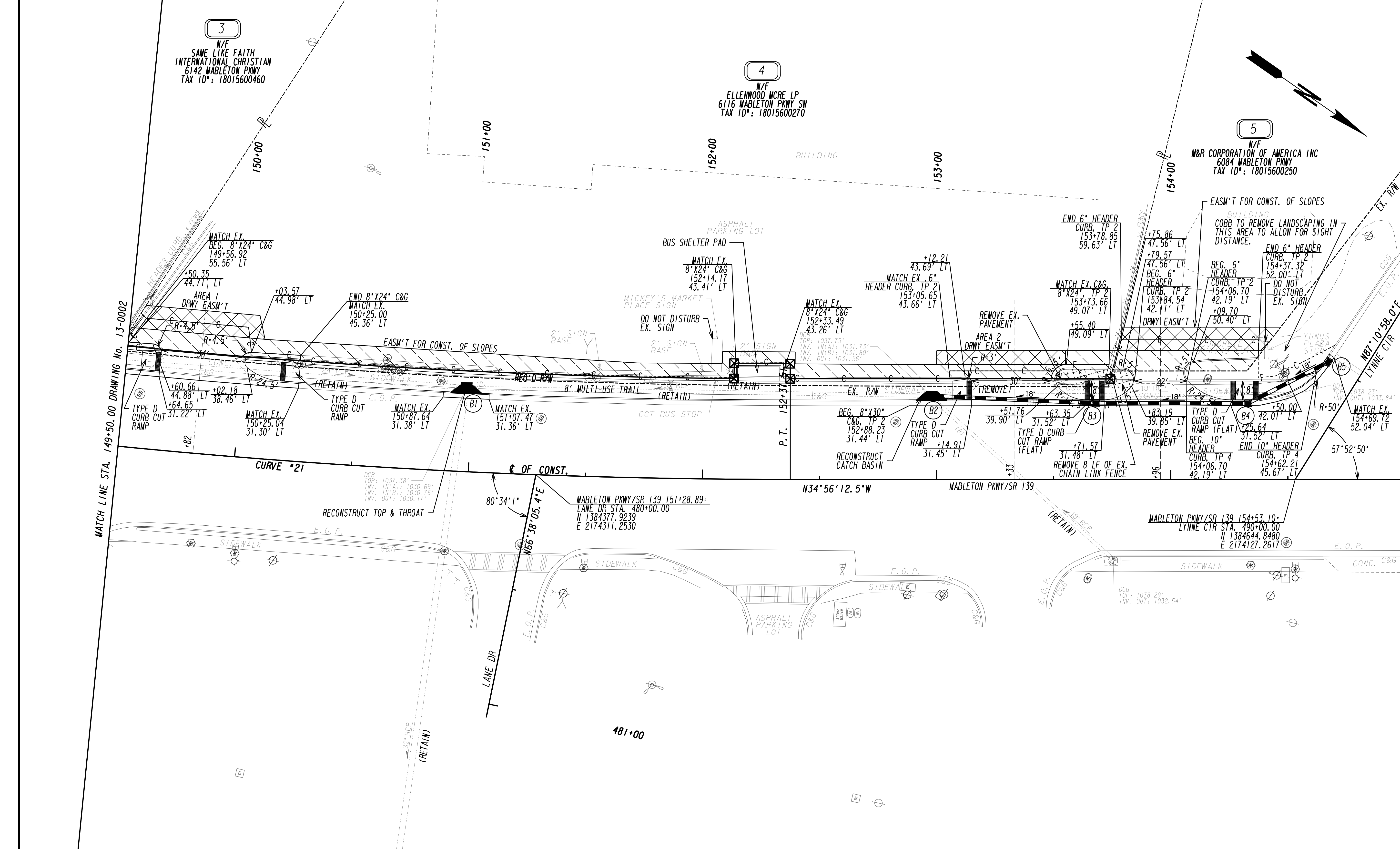
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

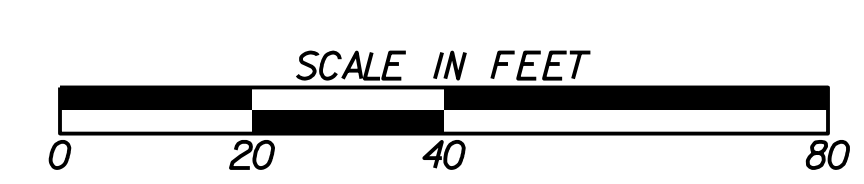
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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

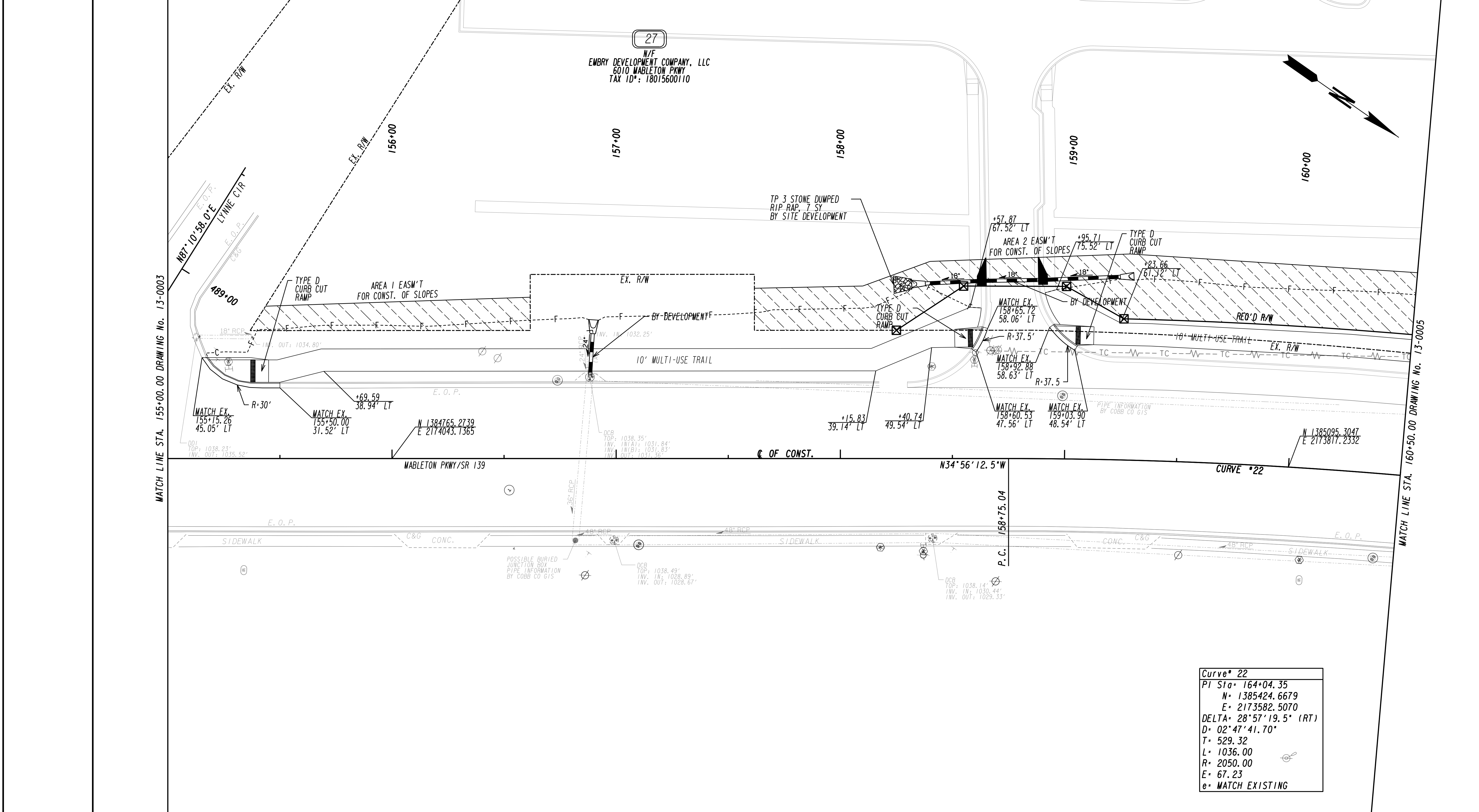


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



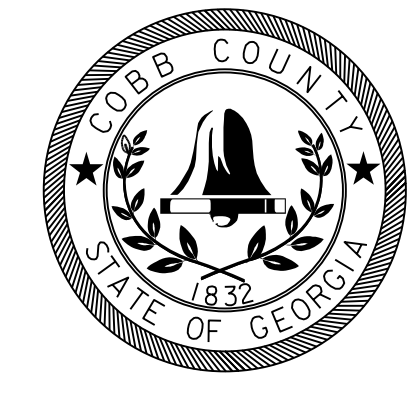
REVISION DATES	

CONSTRUCTION PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0003	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



<b>Curve# 22</b>	
PI Sta=	164+04.35
N=	1385424.6679
E=	2173582.5070
DELTA=	28°57'19.5" (RT)
D=	02°47'41.70"
T=	529.32
L=	1036.00
R=	2050.00
E=	67.23
e=	MATCH EXISTING

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	▩



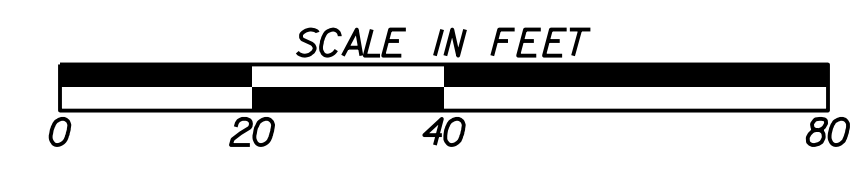
PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

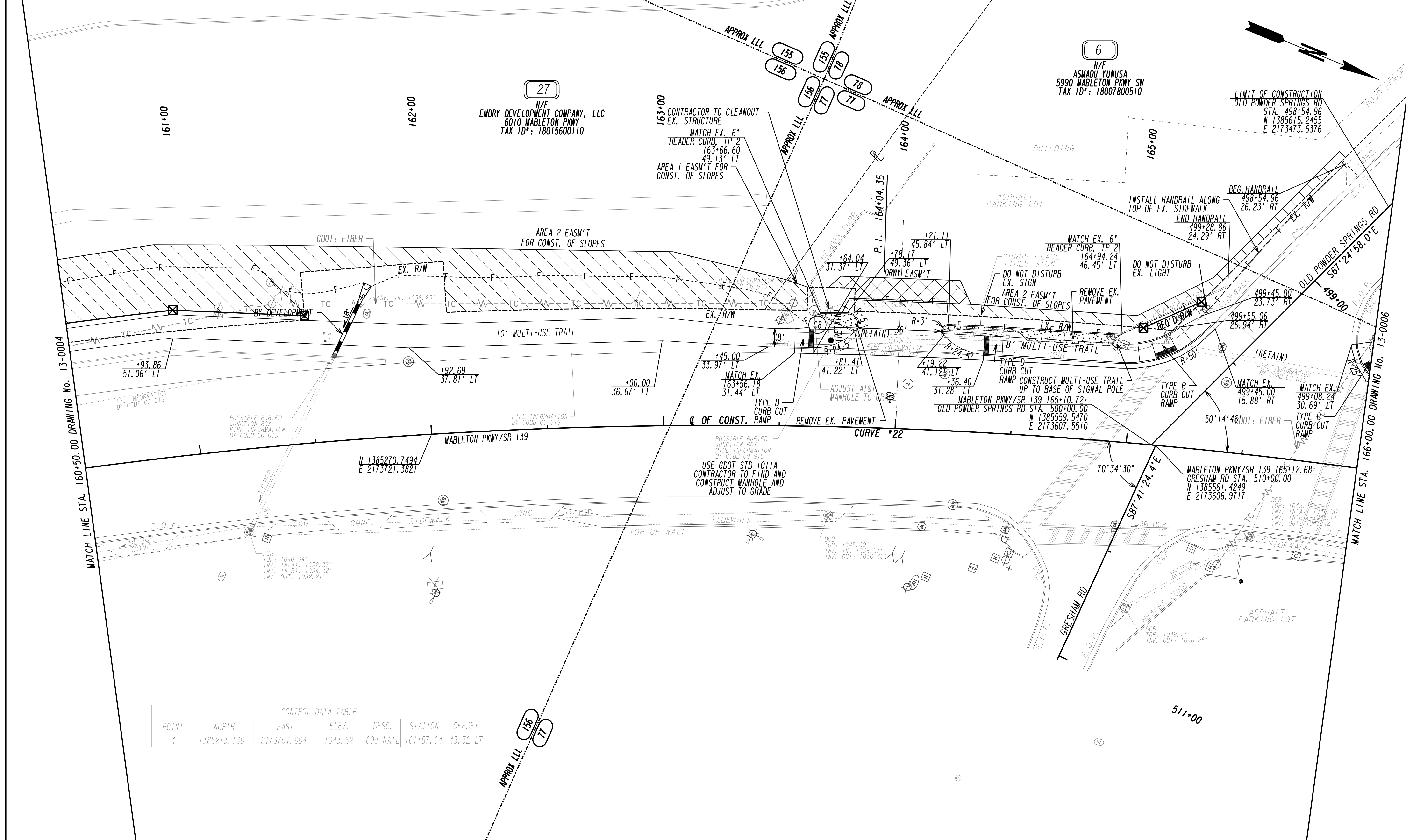
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



REVISION DATES	

CONSTRUCTION PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			13-0004

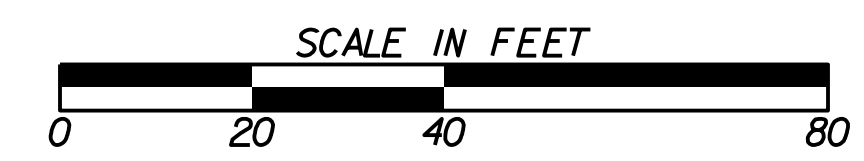


CONTROL DATA TABLE						
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
4	1385213.136	2173701.664	1043.52	60d NAIL	161+57.64	43.32 LT

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



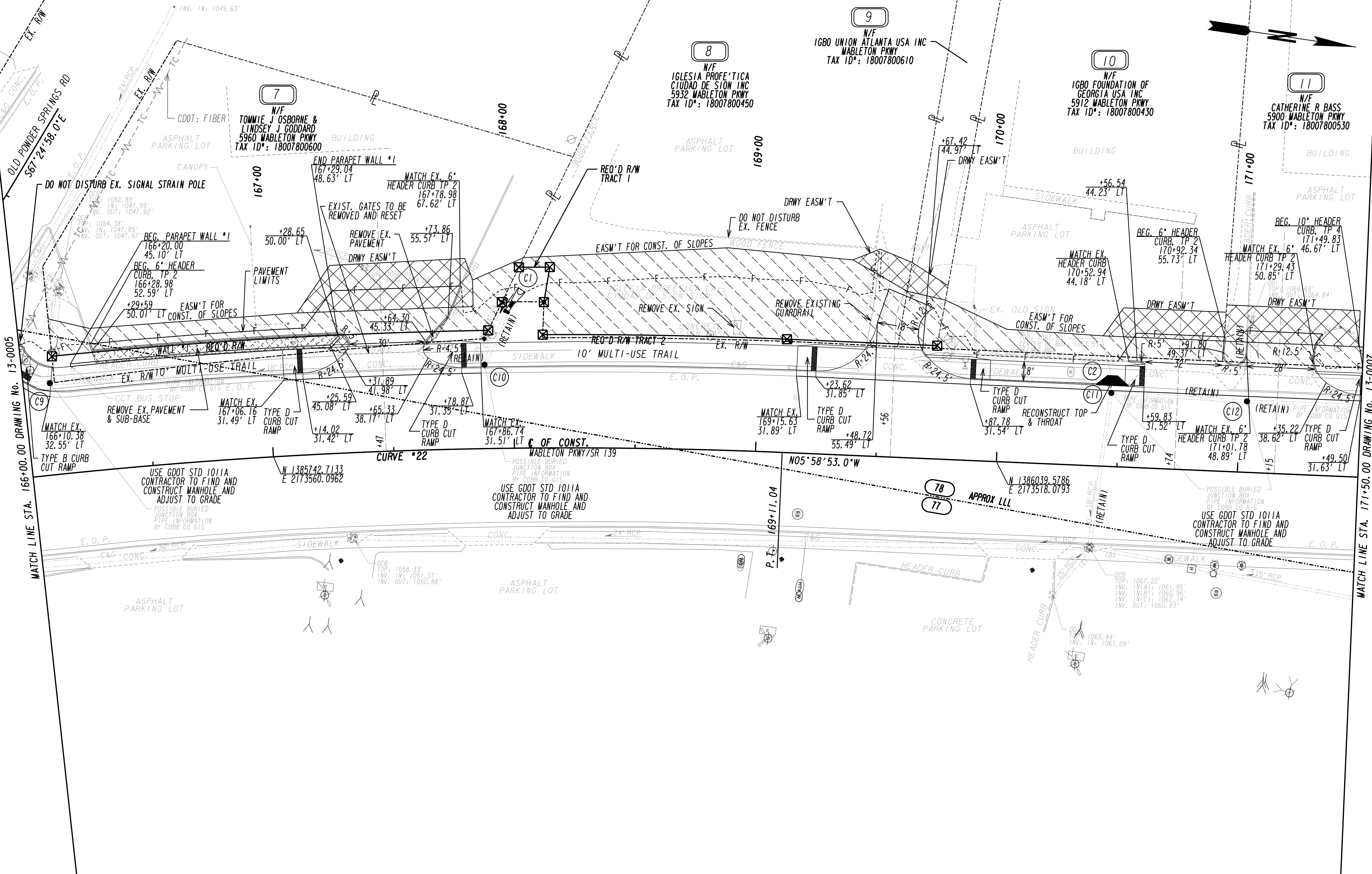
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



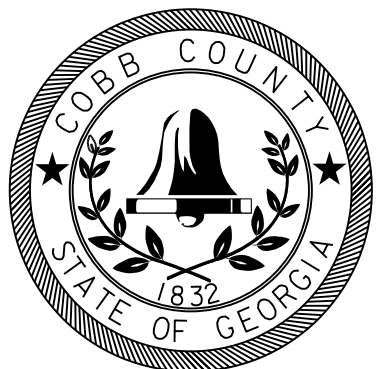
REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

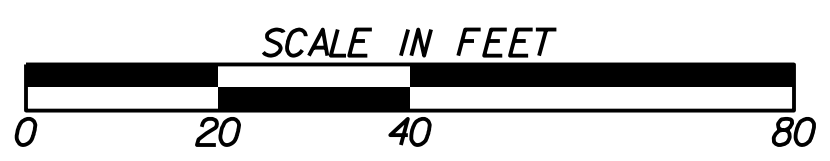
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

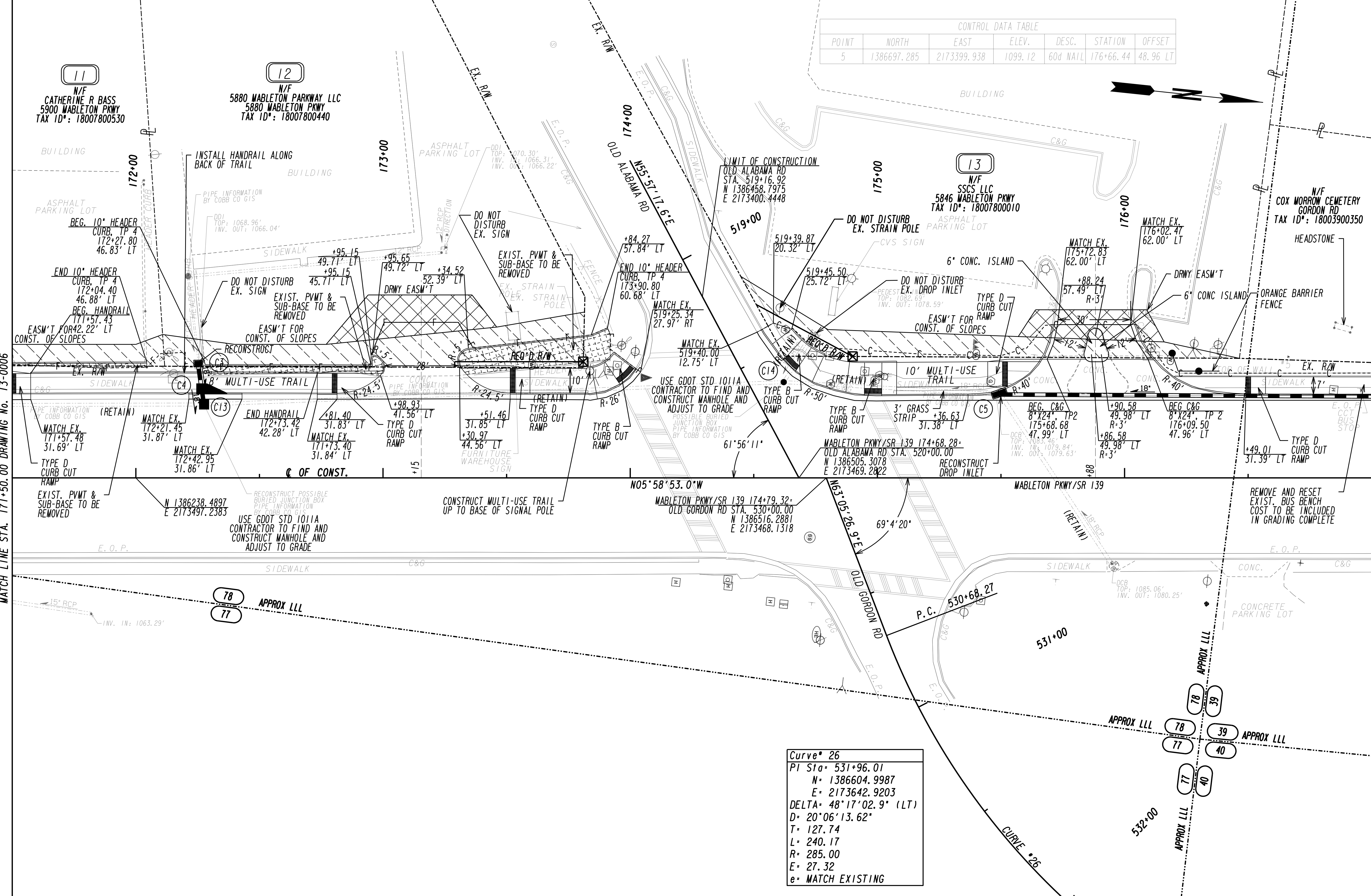


REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>13-0006</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
5	1386697.285	2173399.938	1099.12	60d NAIL	176+66.44	48.96 LT



MATCH LINE STA. 171+50.00 DRAWING No. 13-0006

MATCH LINE STA. 177+00.00 DRAWING No. 13-0008

Curve\* 26  
 PI Sta= 531+96.01  
 N= 1386604.9987  
 E= 2173642.9203  
 DELTA= 48°17'02.9" (LT)  
 D= 20°06'13.62"  
 T= 127.74  
 L= 240.17  
 R= 285.00  
 E= 27.32  
 e= MATCH EXISTING

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

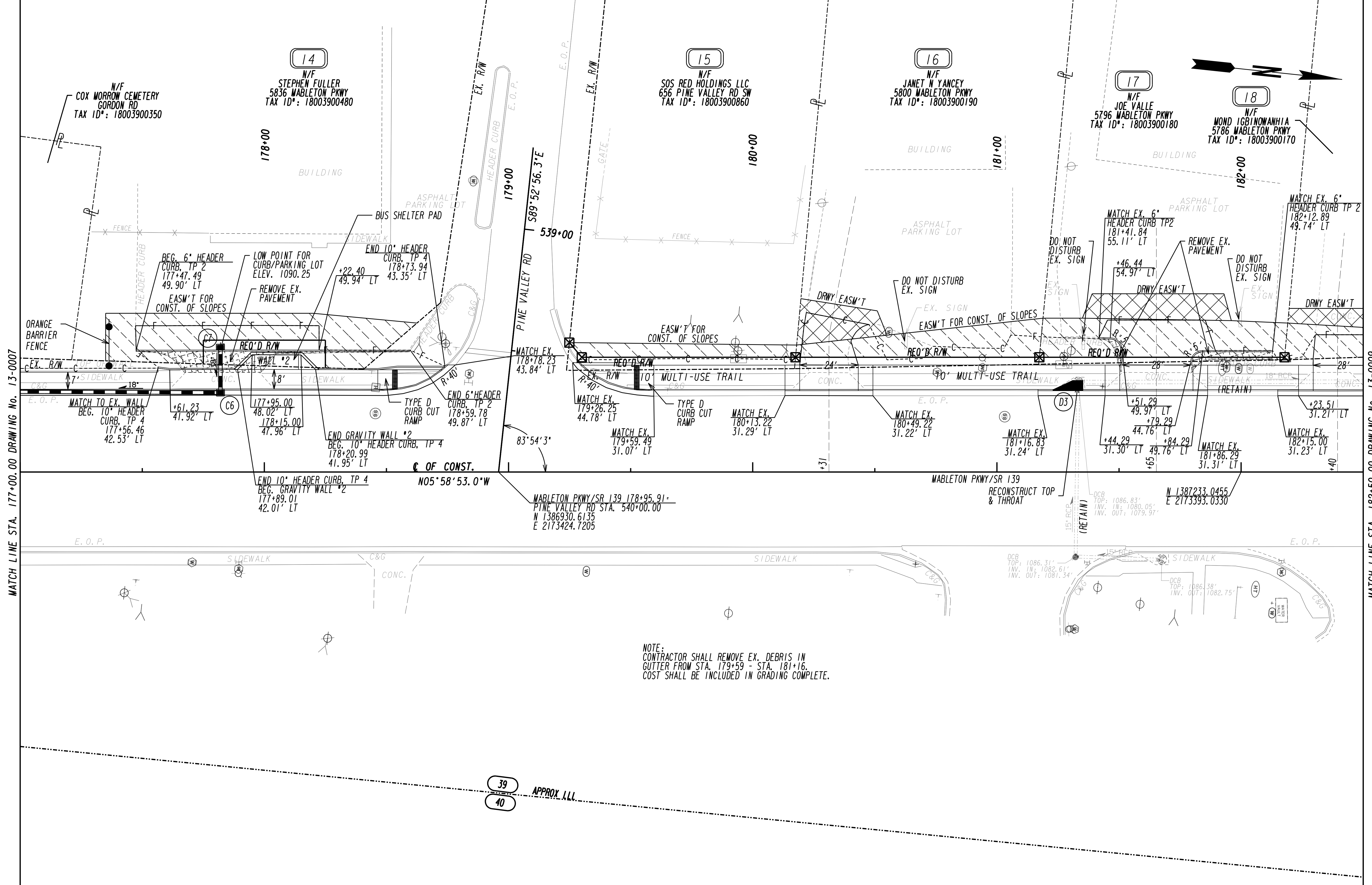


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

CONSTRUCTION PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

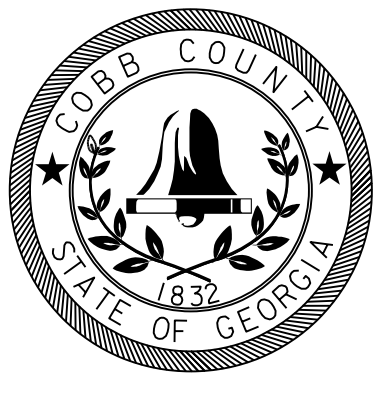
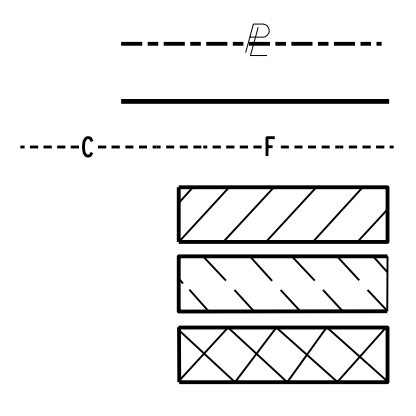


NOTE:  
CONTRACTOR SHALL REMOVE EX. DEBRIS IN  
GUTTER FROM STA. 179+59 - STA. 181+16.  
COST SHALL BE INCLUDED IN GRADING COMPLETE.

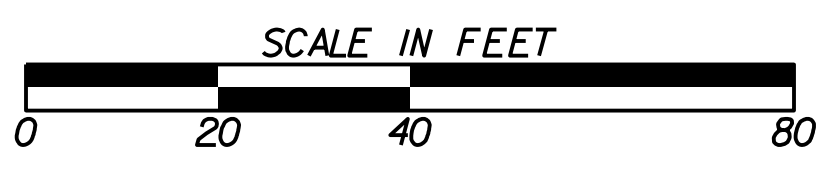
MATCH LINE STA. 177+00.00 DRAWING No. 13-0007

MATCH LINE STA. 182+50.00 DRAWING No. 13-0009

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

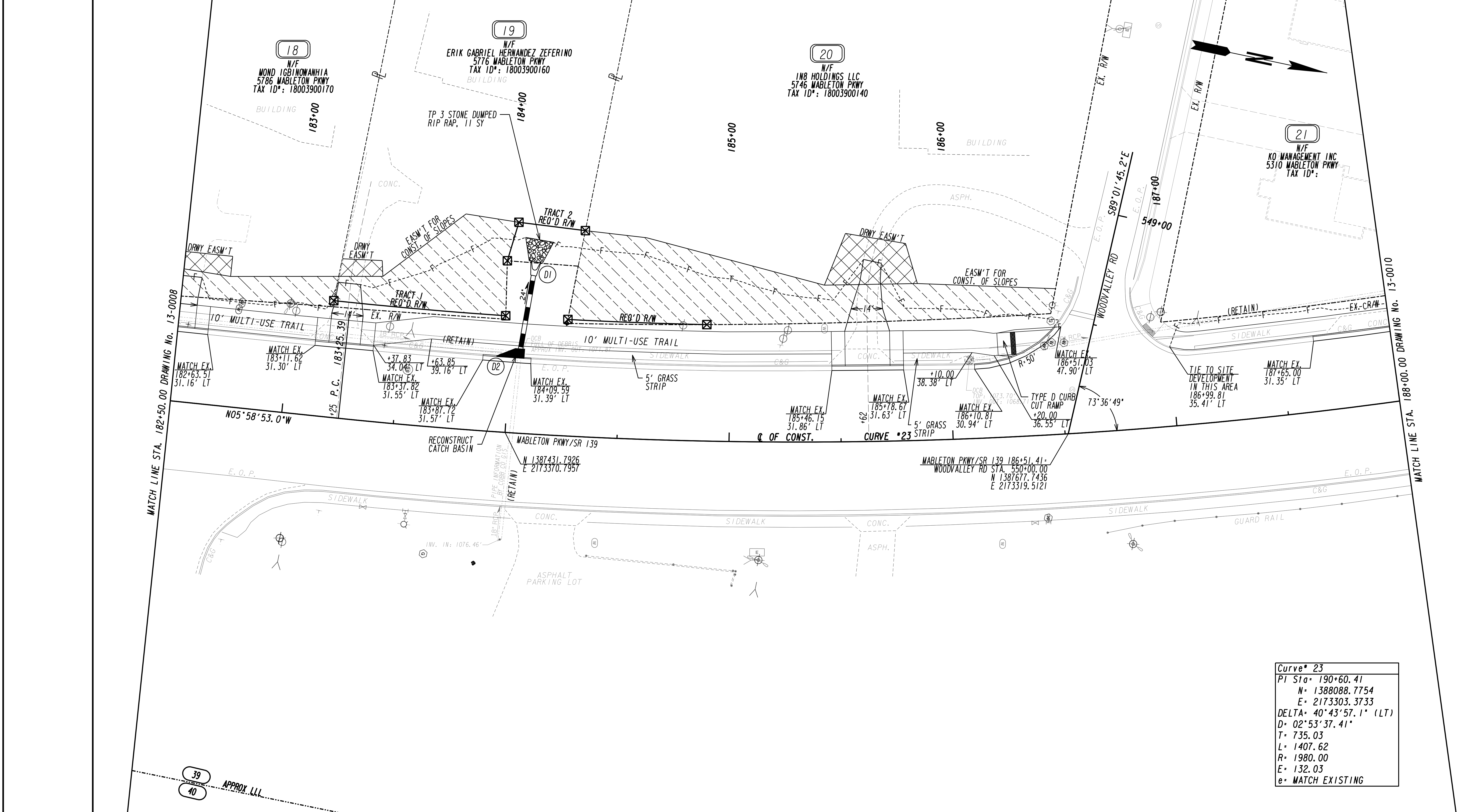


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT



REVISION DATES	

CONSTRUCTION PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0008	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

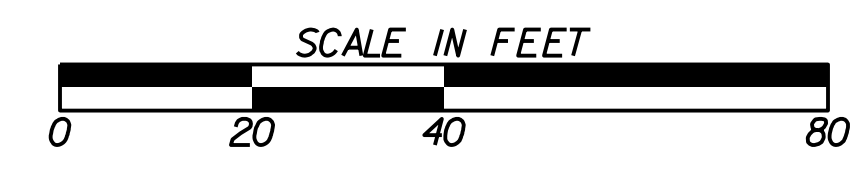


Curve\* 23  
 PI Sta= 190+60.41  
 N= 1388088.7754  
 E= 2173303.3733  
 DELTA= 40°43'57.1" (LT)  
 D= 02°53'37.41"  
 T= 735.03  
 L= 1407.62  
 R= 1980.00  
 E= 132.03  
 e= MATCH EXISTING

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

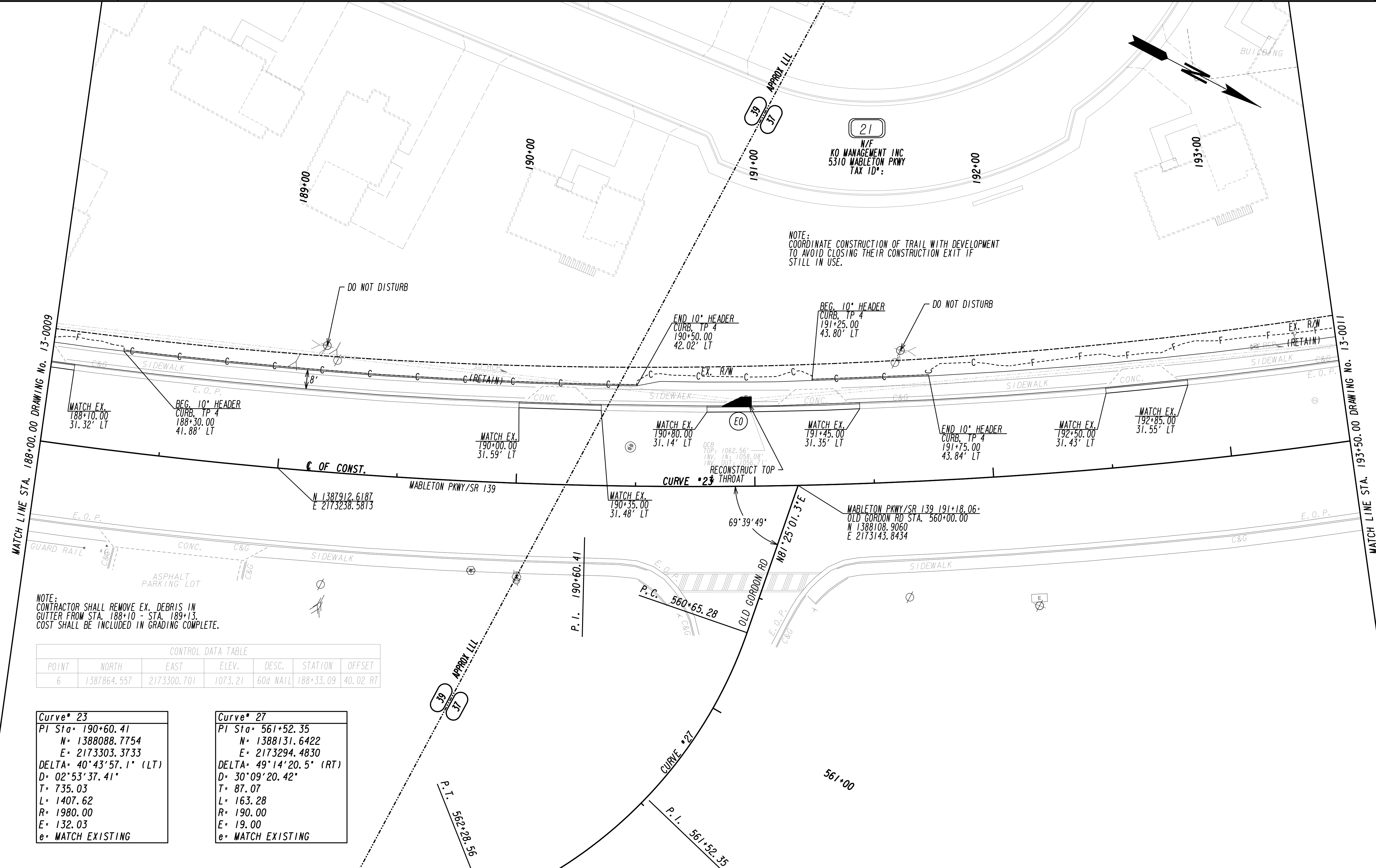


REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>13-0009</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





DO NOT DISTURB

END 10' HEADER CURB, TP 4 190+50.00 42.02' LT

BEG. 10' HEADER CURB, TP 4 188+30.00 41.88' LT

DO NOT DISTURB

END 10' HEADER CURB, TP 4 191+25.00 43.80' LT

BEG. 10' HEADER CURB, TP 4 191+25.00 43.80' LT

DO NOT DISTURB

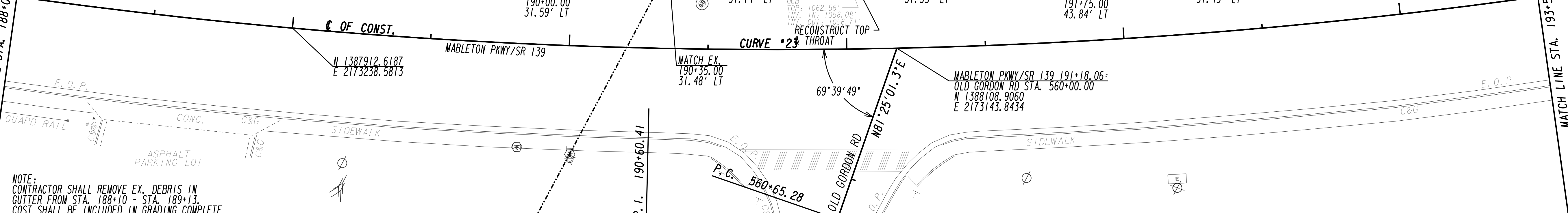
END 10' HEADER CURB, TP 4 191+75.00 43.84' LT

BEG. 10' HEADER CURB, TP 4 192+50.00 31.43' LT

DO NOT DISTURB

END 10' HEADER CURB, TP 4 192+85.00 31.55' LT

BEG. 10' HEADER CURB, TP 4 192+85.00 31.55' LT



NOTE: CONTRACTOR SHALL REMOVE EX. DEBRIS IN GUTTER FROM STA. 188+10 - STA. 189+13. COST SHALL BE INCLUDED IN GRADING COMPLETE.

POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
6	1387864.557	2173300.701	1073.21	60d NAIL	188+33.09	40.02 RT

Curve* 23	
PI Sta	190+60.41
N	1388088.7754
E	2173303.3733
DELTA	40°43'57.1" (LT)
D	02°53'37.41"
T	735.03
L	1407.62
R	1980.00
E	132.03
e	MATCH EXISTING

Curve* 27	
PI Sta	561+52.35
N	1388131.6422
E	2173294.4830
DELTA	49°14'20.5" (RT)
D	30°09'20.42"
T	87.07
L	163.28
R	190.00
E	19.00
e	MATCH EXISTING

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

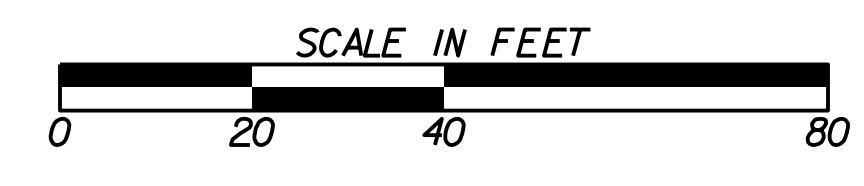


PLANS PREPARED AND SUBMITTED BY:

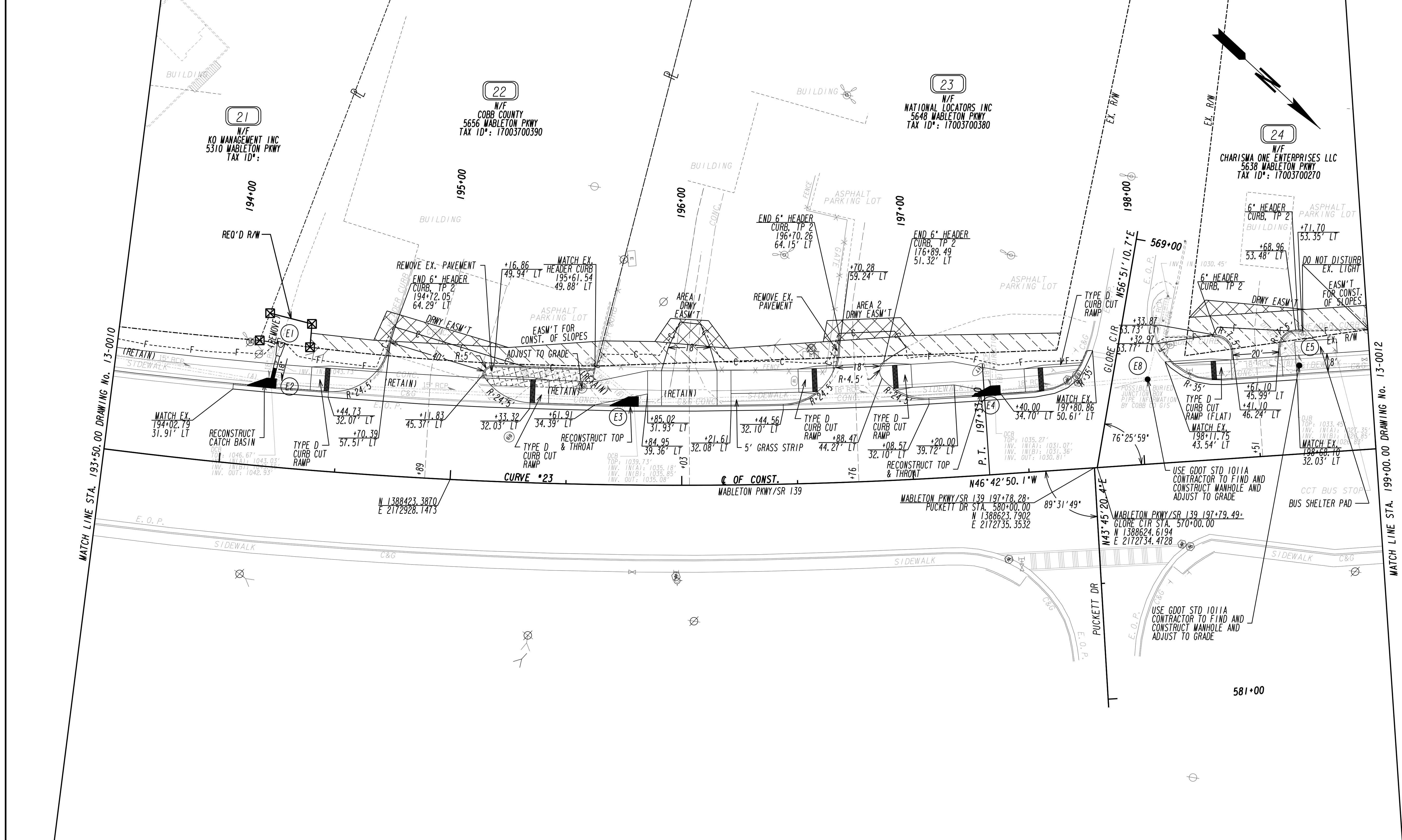
**AEI**

AMERICAN ENGINEERS, INC.

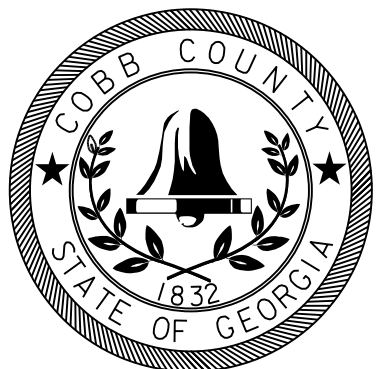
DESIGN CONSULTANT PROFESSIONAL ENGINEERING



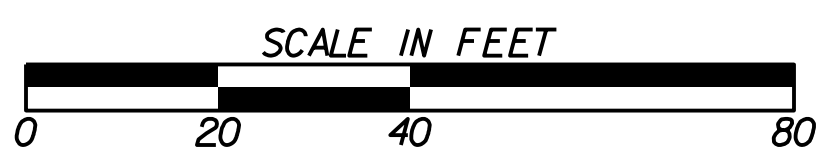
REVISION DATES		CONSTRUCTION PLAN	
		MABLETON PKWY TRAIL, PHASE II	
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0010
CORRECTED:		DATE:	
VERIFIED:		DATE:	



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



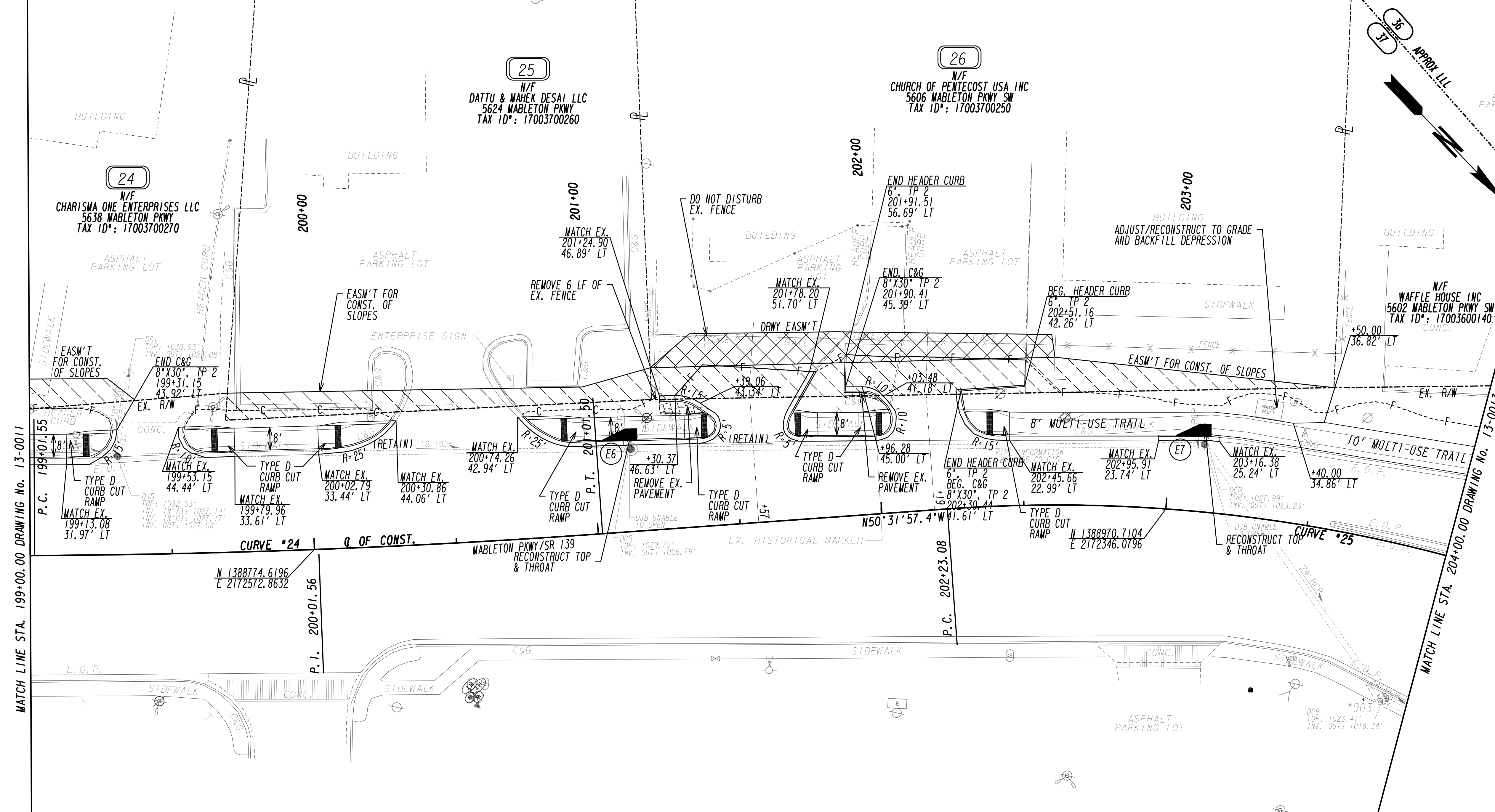
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

**CONSTRUCTION PLAN**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>13-0011</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**Curve # 24**

PI Sta	200+01.56
N	1388776.8781
E	2172572.8212
DELTA	03°49'07.3" (LT)
D	01°54'35.49"
T	100.01
L	199.95
R	3000.00
E	1.67
e	MATCH EXISTING

**Curve # 25**

PI Sta	204+28.12
N	1389048.0607
E	2172243.4686
DELTA	41°52'02.4" (RT)
D	10°41'22.24"
T	205.04
L	391.67
R	536.00
E	37.88
e	MATCH EXISTING

NOTE:  
CONTRACTOR SHALL REMOVE EX. DEBRIS IN GUTTER FROM STA. 202+50 - STA. 203+50. COST SHALL BE INCLUDED IN GRADING COMPLETE.

CONTROL DATA TABLE

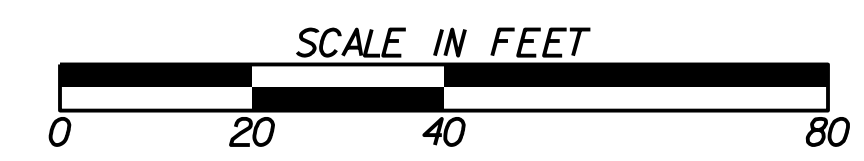
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
903	1389067.355	2172342.062	1023.85	60d NAIL	203+83.22	56.31 RT

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

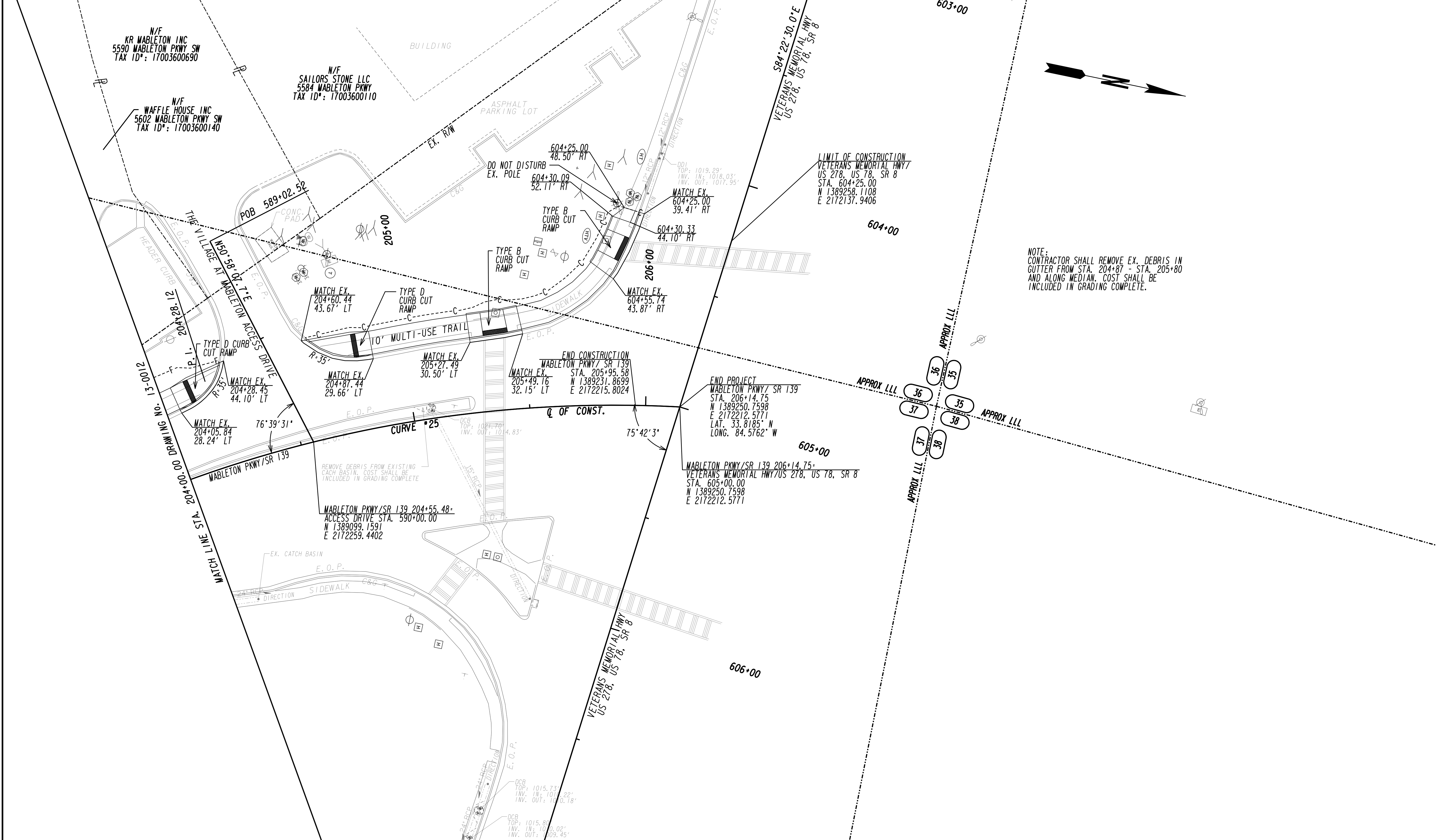
PROFESSIONAL ENGINEERING



REVISION DATES

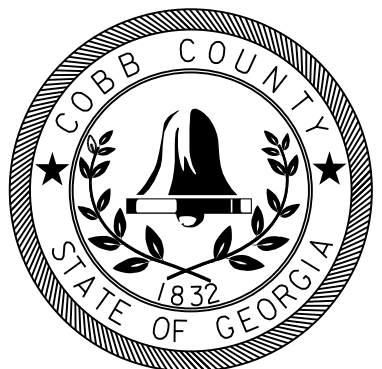
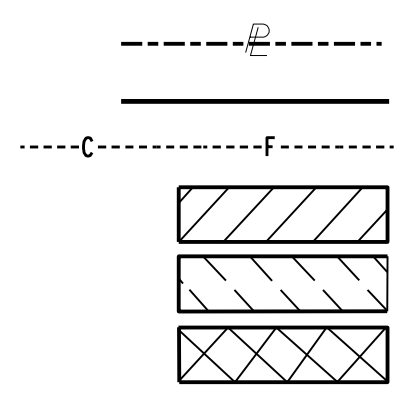

**CONSTRUCTION PLAN**  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	13-0012
CORRECTED:	DATE:	
VERIFIED:	DATE:	



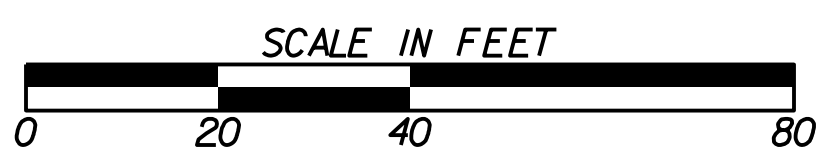
NOTE:  
CONTRACTOR SHALL REMOVE EX. DEBRIS IN  
GUTTER FROM STA. 204+87 - STA. 205+80  
AND ALONG MEDIAN. COST SHALL BE  
INCLUDED IN GRADING COMPLETE.

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



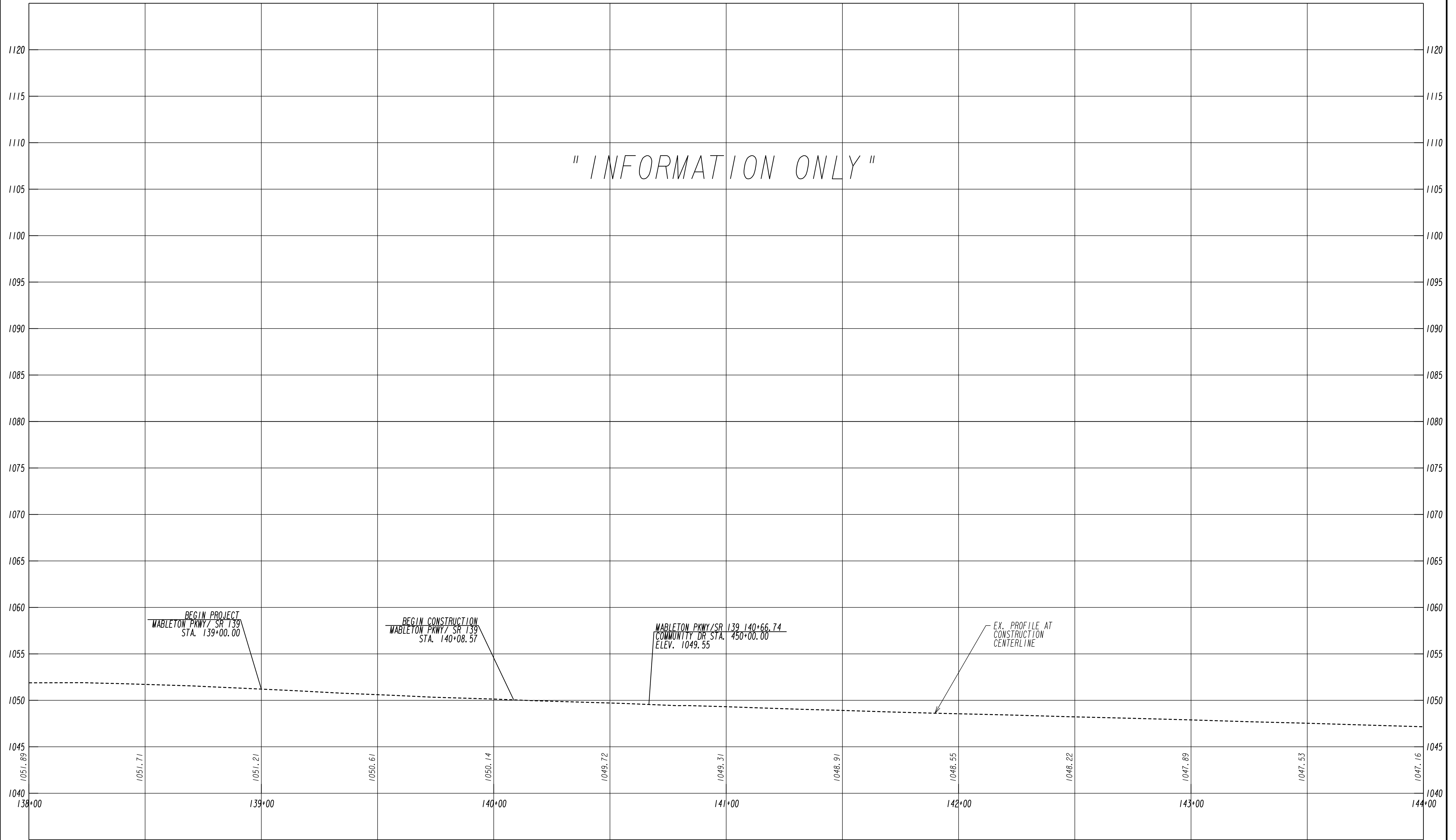
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

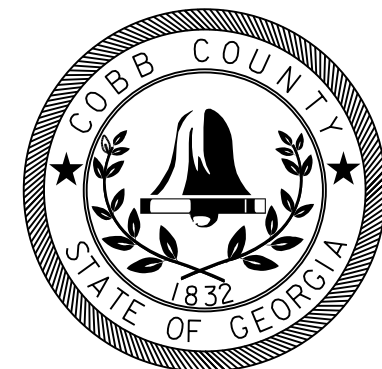


REVISION DATES	

CONSTRUCTION PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	13-0013	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



7/31/2015 020EDG



PLANS PREPARED AND SUBMITTED BY: **AEI**  
 65 Aberdeen Drive Glasgow, KY 42048  
 2500 Nelson Miller Parkway Louisville, KY 40223  
 560 Acworth Landing Drive Acworth, GA 30001  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

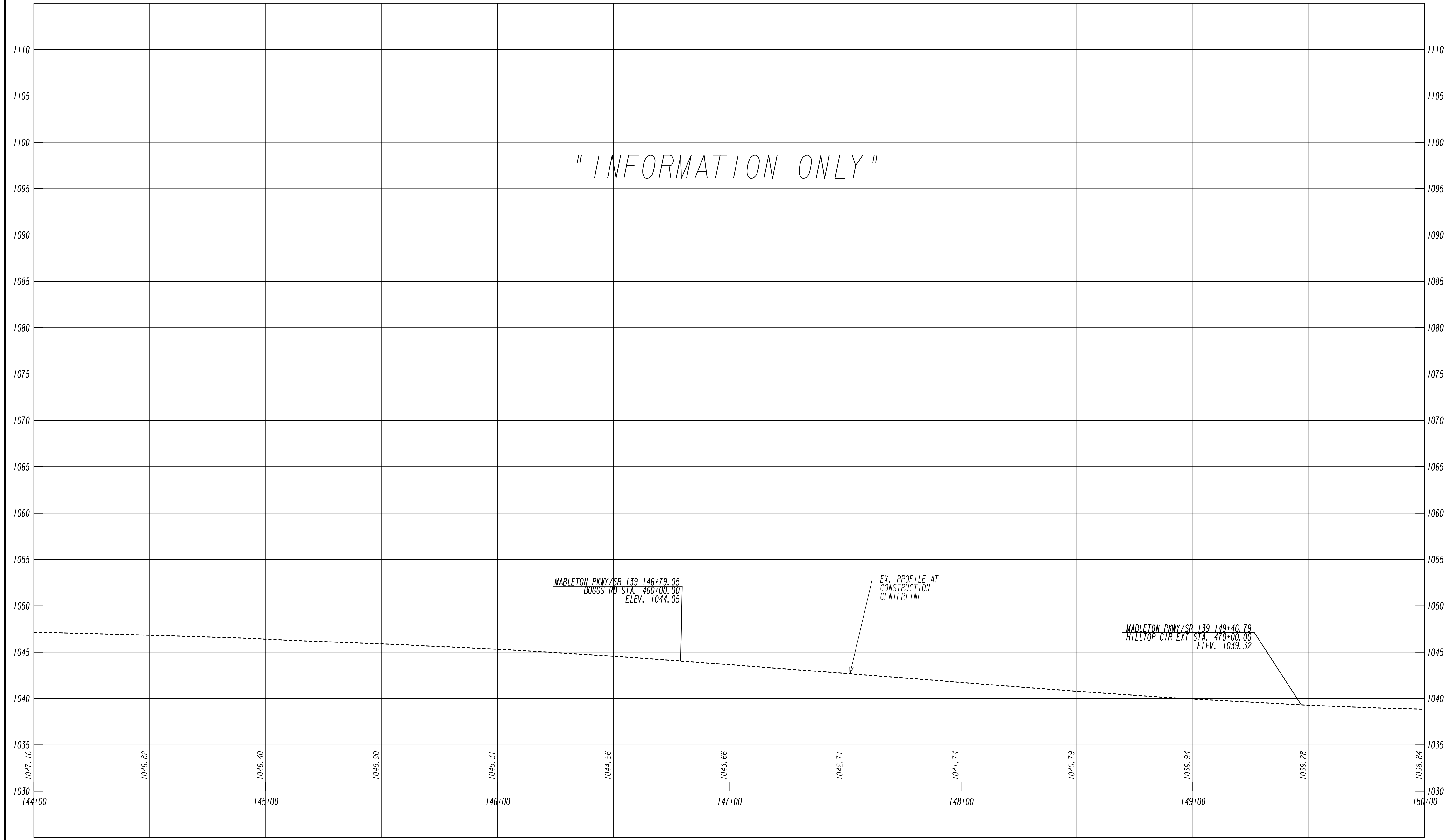
REVISION DATES

NO.	DATE	DESCRIPTION

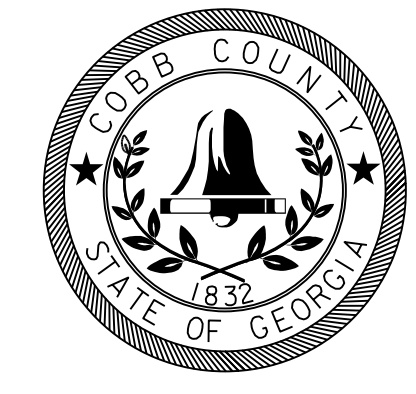
MAINLINE PROFILE

MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



" INFORMATION ONLY "



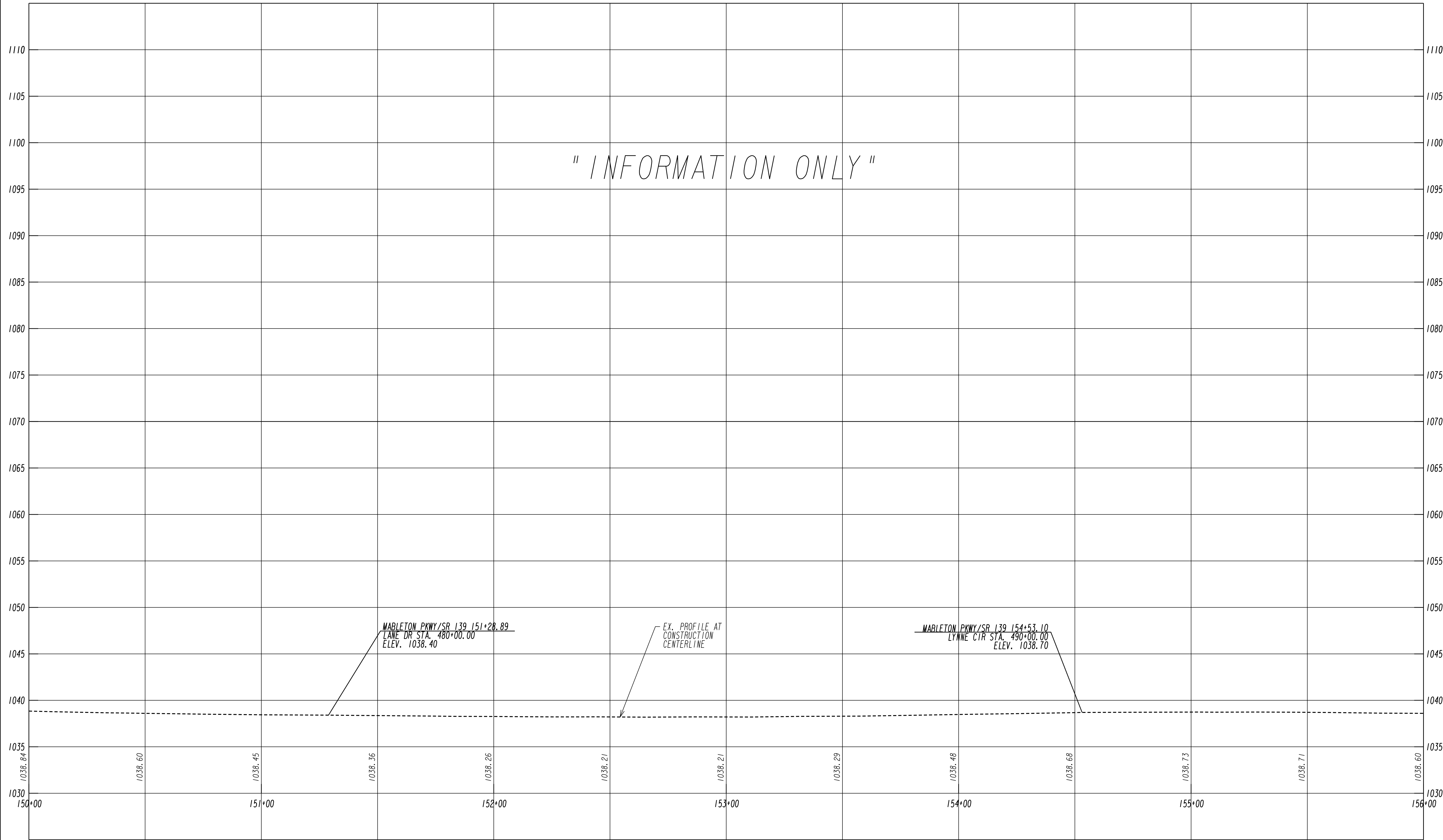
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

Offices:  
 65 Aberdeen Drive Glasgow, KY 42048 (502) 651-1220  
 560 Acworth Landing Drive Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 345-3813

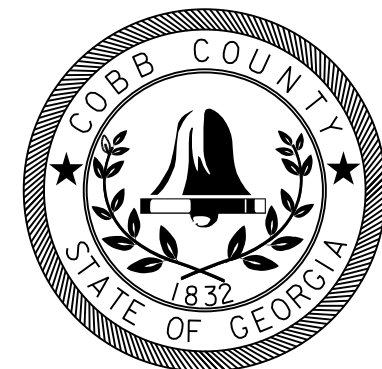
1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

REVISION DATES	

MAINLINE PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	15-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



7/31/2015 020EDG



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

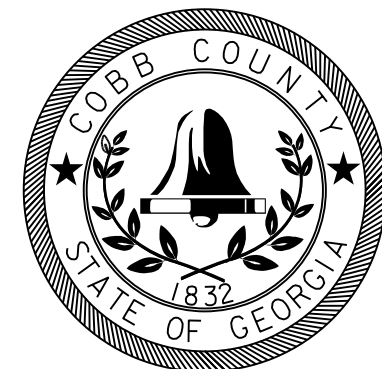
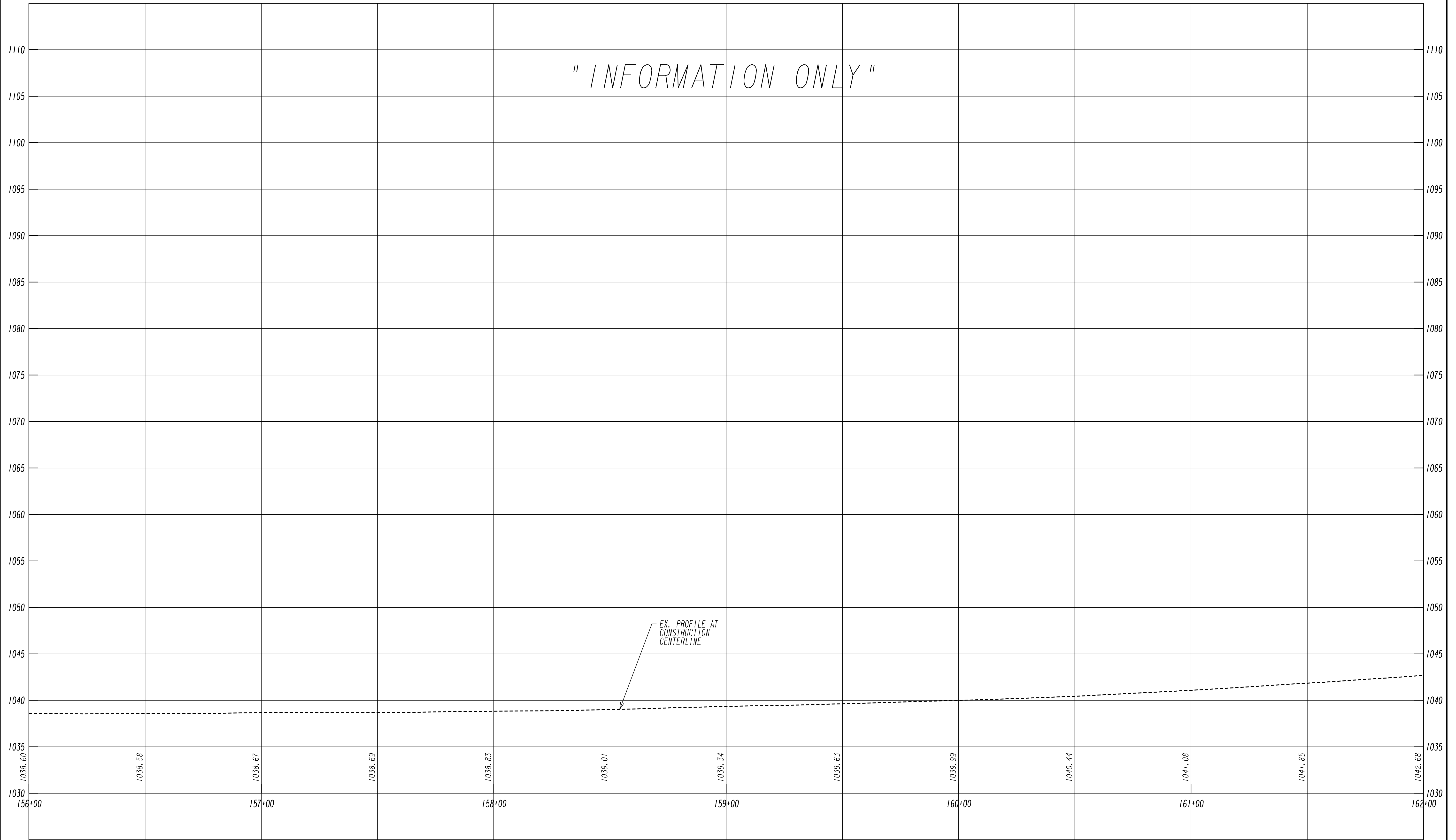
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 431-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3883

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

REVISION DATES		MAINLINE PROFILE	
		MABLETON PKWY TRAIL, PHASE II	
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	15-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

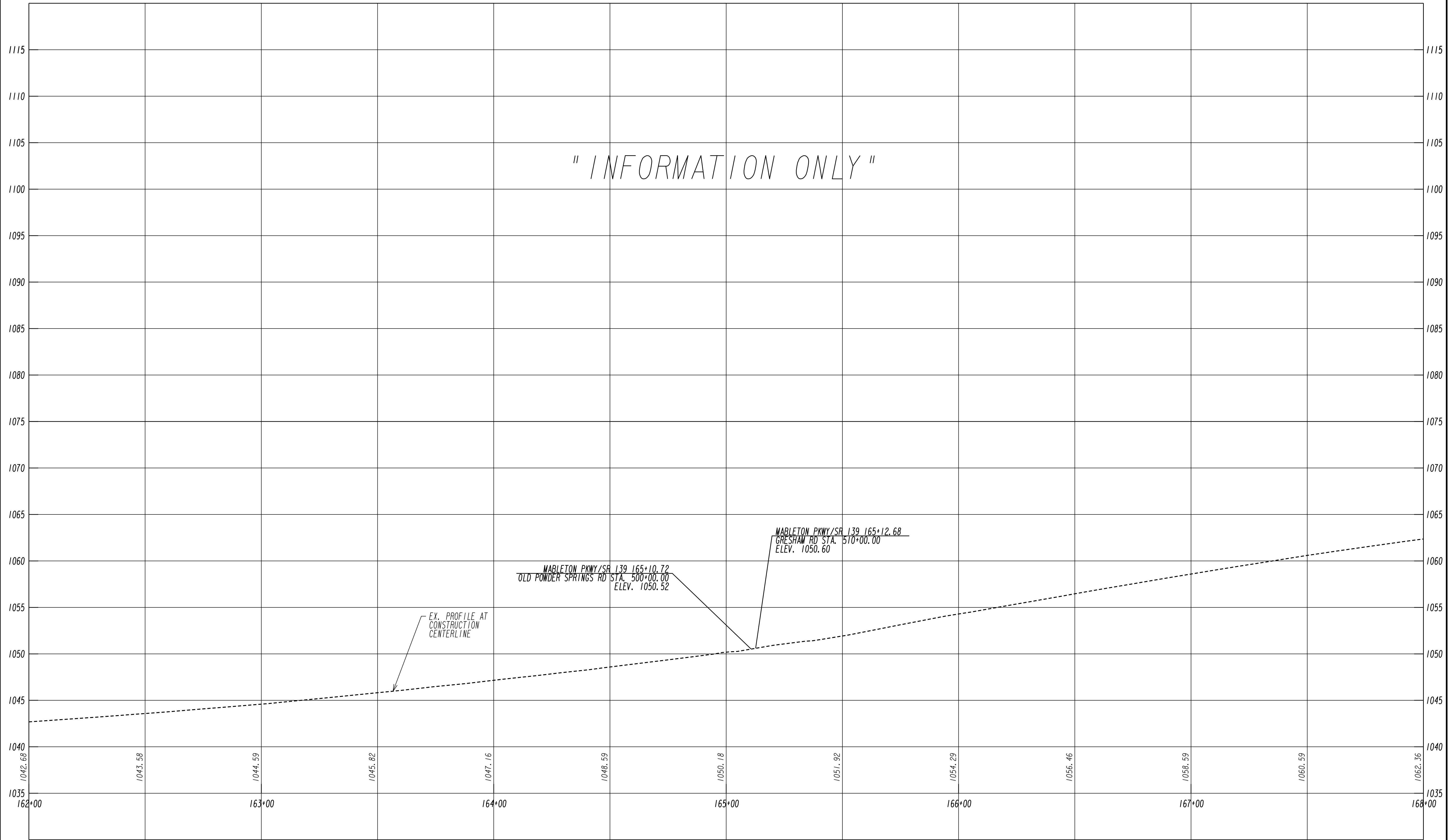
PROFESSIONAL ENGINEERING

Offices:  
 65 Aberdeen Drive, Glasgow, KY 42048  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 960 Acworth Landing Drive, Acworth, GA 30001  
 1700 42nd Street, Louisville, KY 40212

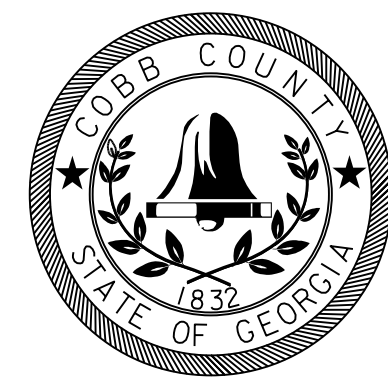
1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

REVISION DATES		MAINLINE PROFILE	
		MABLETON PKWY TRAIL, PHASE II	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			15-0004





7/31/2015 020EDG



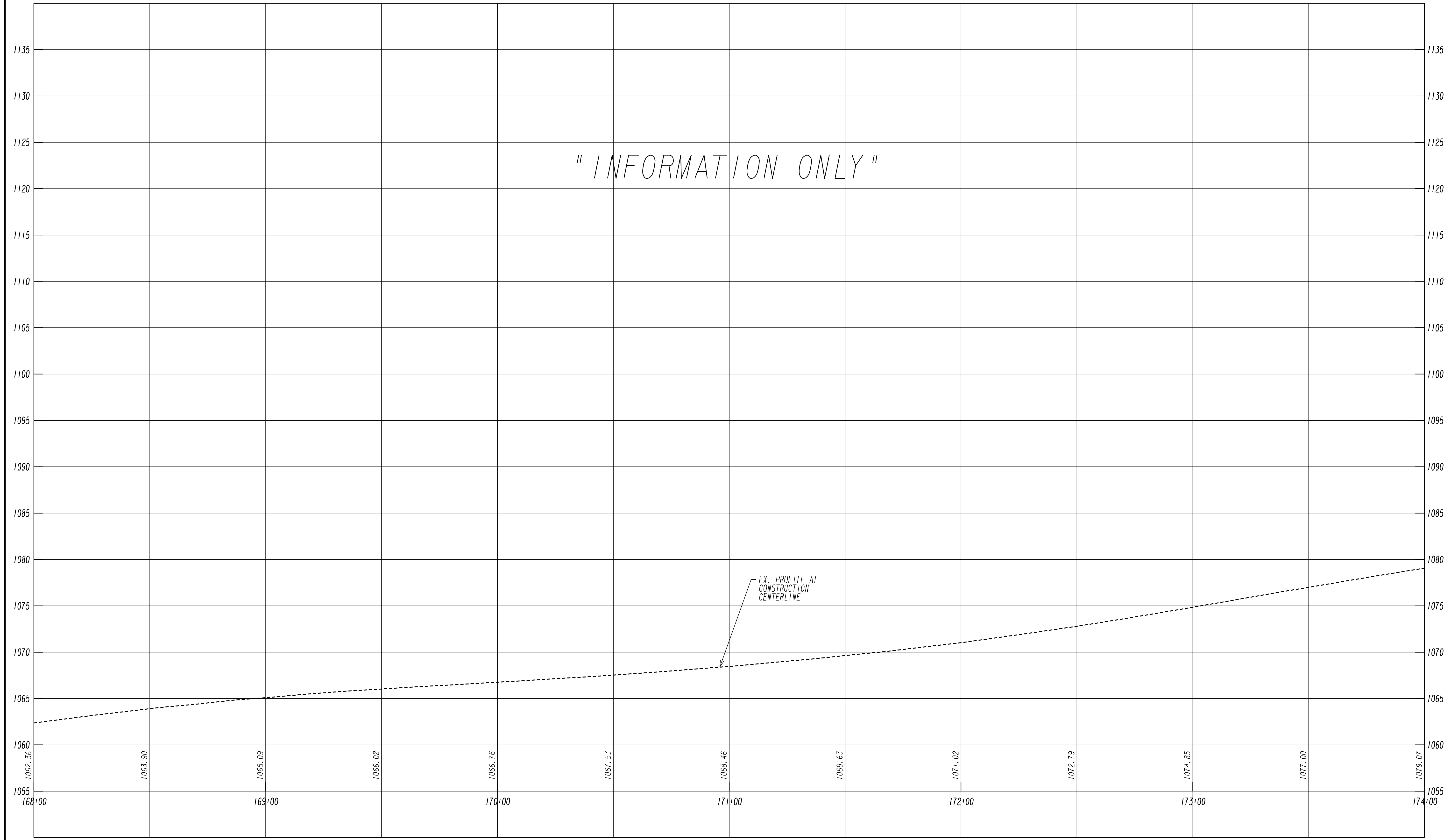
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

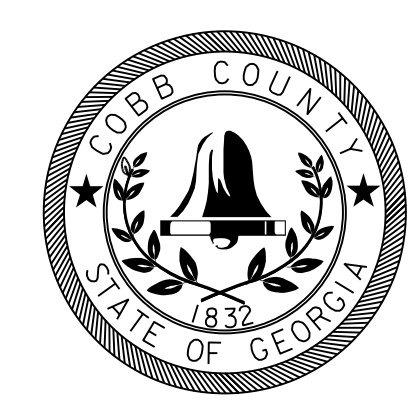
REVISION DATES	

**MAINLINE PROFILE**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0005</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



7/31/2015 020EDG



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

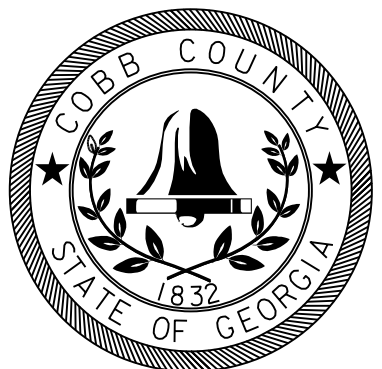
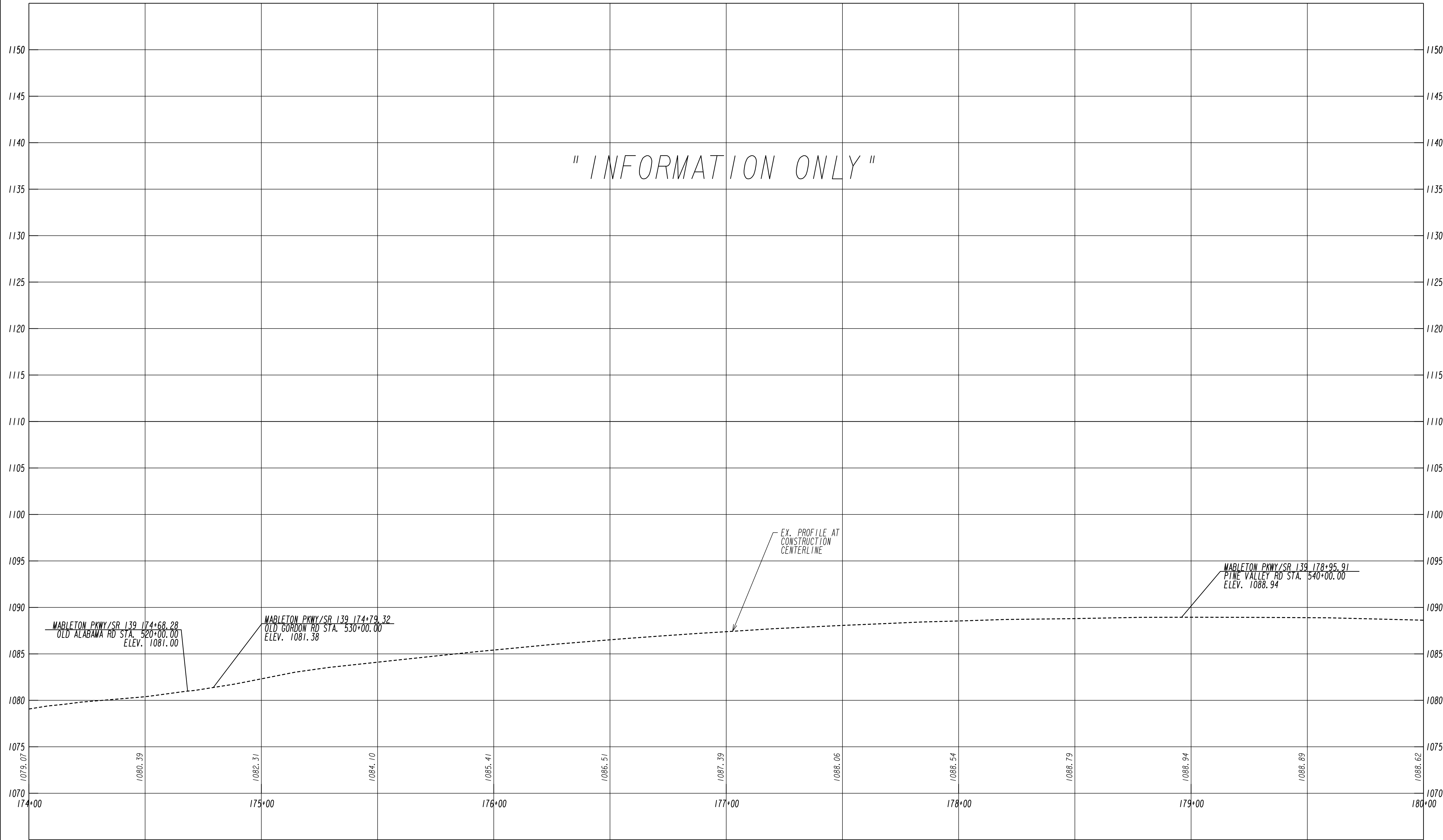
Offices:  
 65 Aberdeen Drive Glasgow, KY 42048 (502) 651-1220  
 960 Acworth Landing Drive Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 245-3813

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

REVISION DATES	

**MAINLINE PROFILE**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0006</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

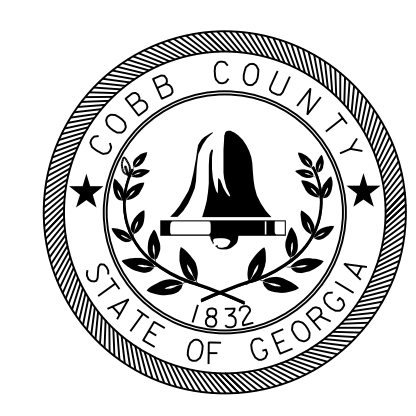
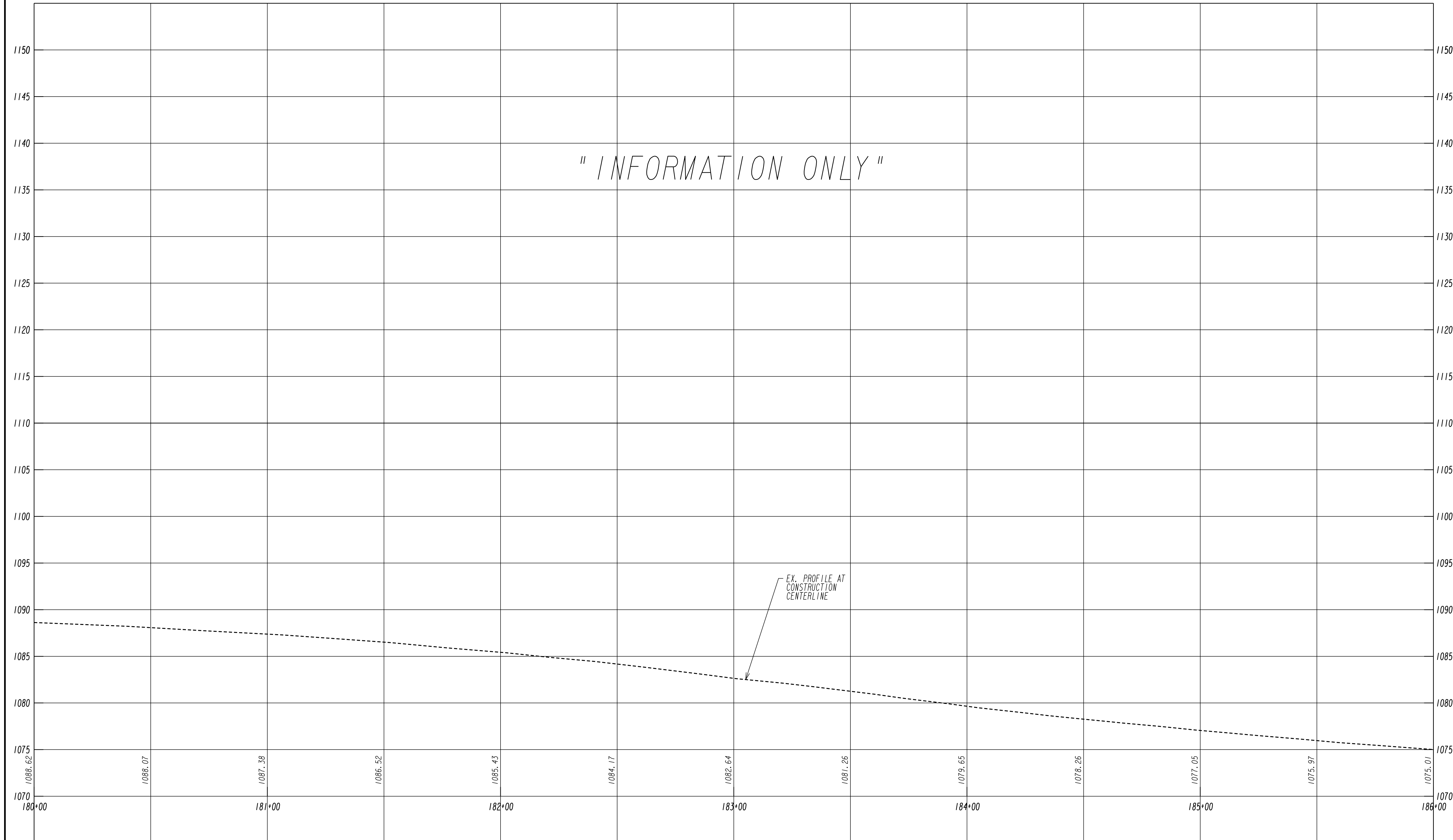
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

1" = 20' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES	

MAINLINE PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			15-0007



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

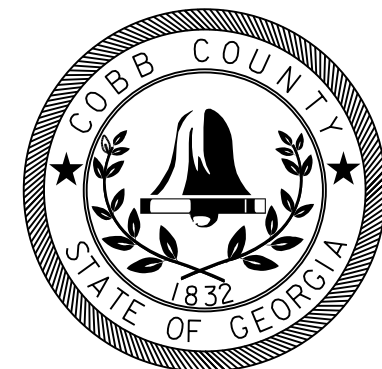
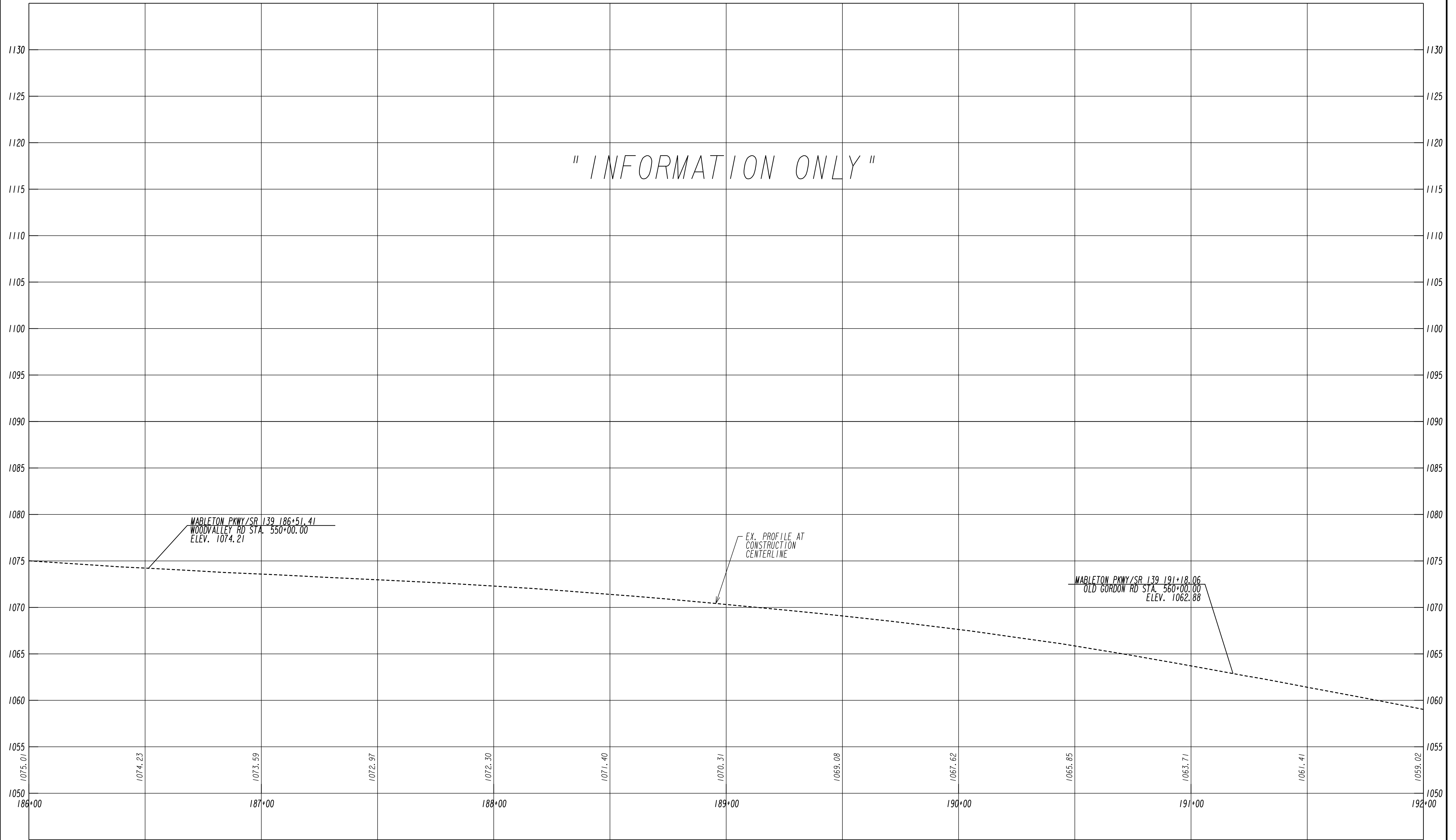
Offices:  
 65 Aberdeen Drive, Glasgow, KY 42041, (502) 651-1220  
 960 Acworth Landing Drive, Acworth, GA 30001, (770) 421-8422  
 2500 Nelson Miller Parkway, Louisville, KY 40223, (502) 245-3813

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

REVISION DATES	

**MAINLINE PROFILE**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0008</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-8422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 245-3813

1" = 20' HORIZONTAL  
1" = 5' VERTICAL

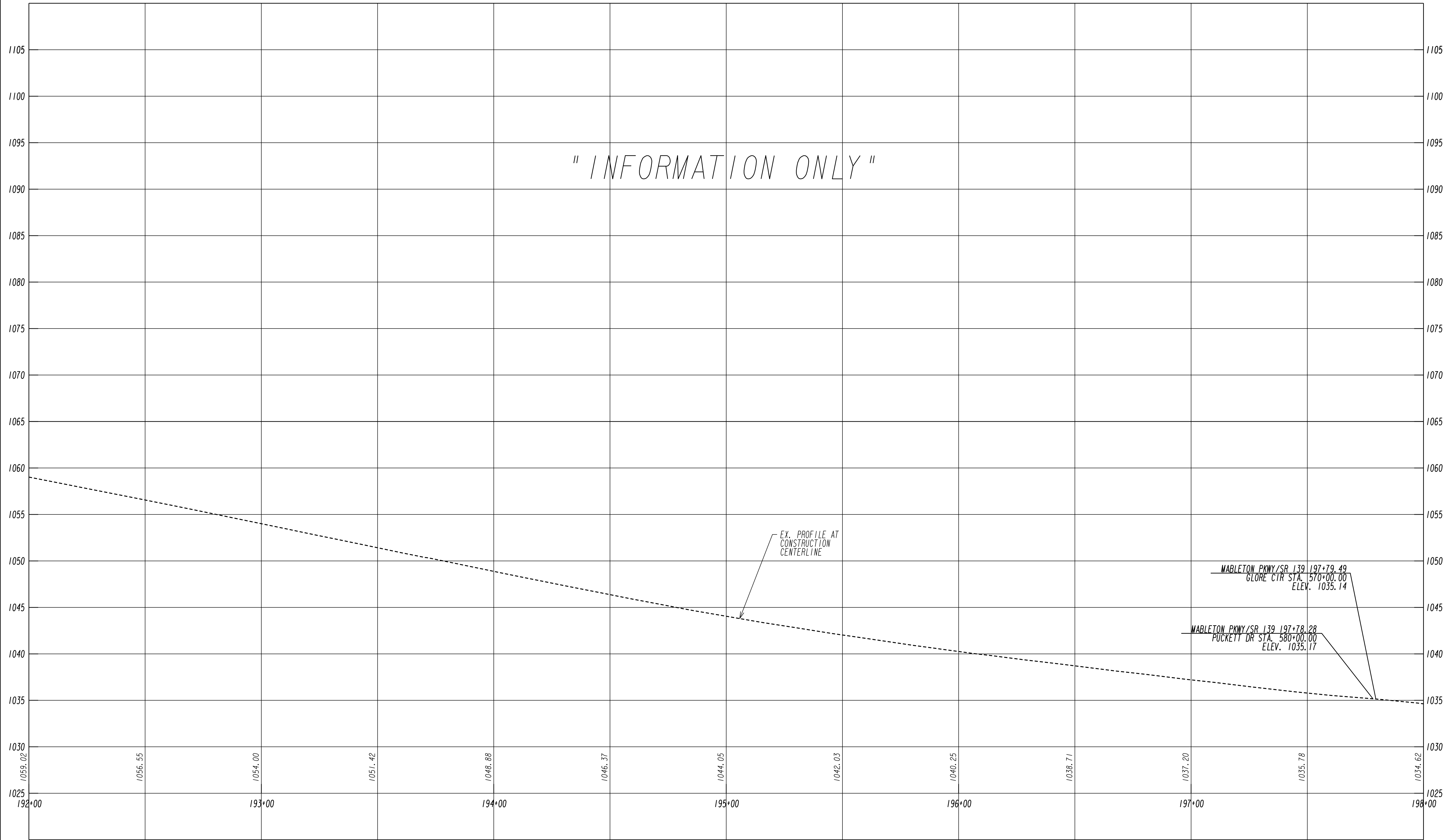
REVISION DATES

No.	Date	Description

MAINLINE PROFILE

MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0009</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



1059.02  
1025  
192+00

1056.55  
193+00

1054.00  
194+00

1051.42  
194+00

1048.88  
194+00

1046.37  
195+00

1044.05  
195+00

1042.03  
196+00

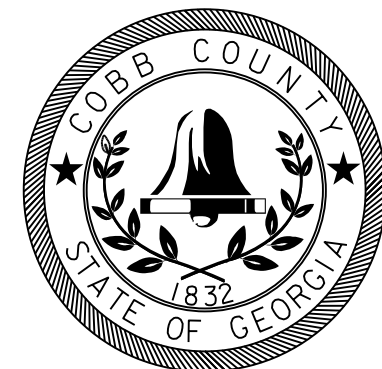
1040.25  
196+00

1038.71  
197+00

1037.20  
197+00

1035.78  
197+00

1034.62  
198+00



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

65 Aberdeen Drive  
Cincinnati, KY 45248  
(513) 431-1200

960 Acworth Landing Drive  
Acworth, GA 30001  
(770) 421-9422

2500 Nelson Miller Parkway  
Louisville, KY 40223  
(502) 245-3813

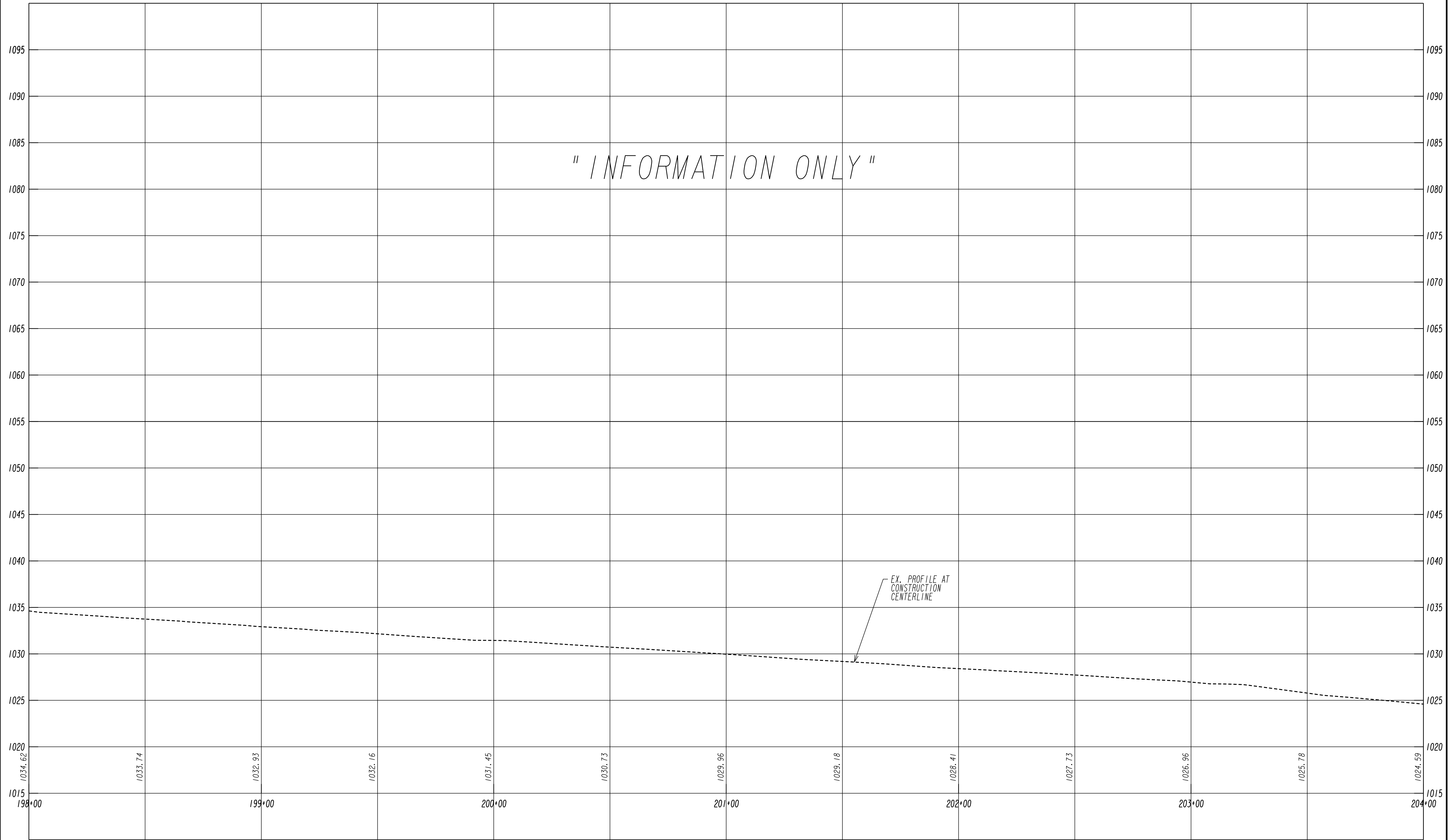
1" = 20' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES

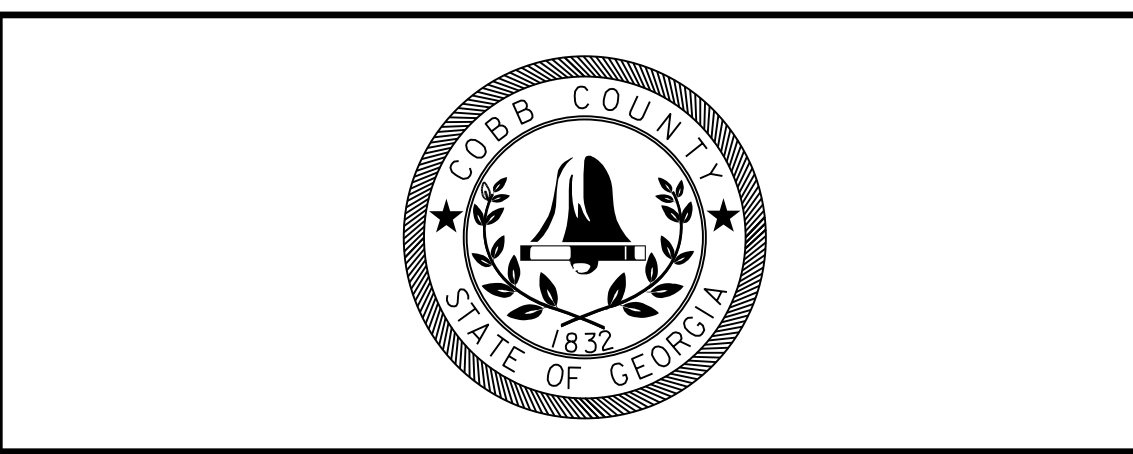
NO.	DATE	DESCRIPTION

MAINLINE PROFILE  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0010</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



7/31/2015 020EDG



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

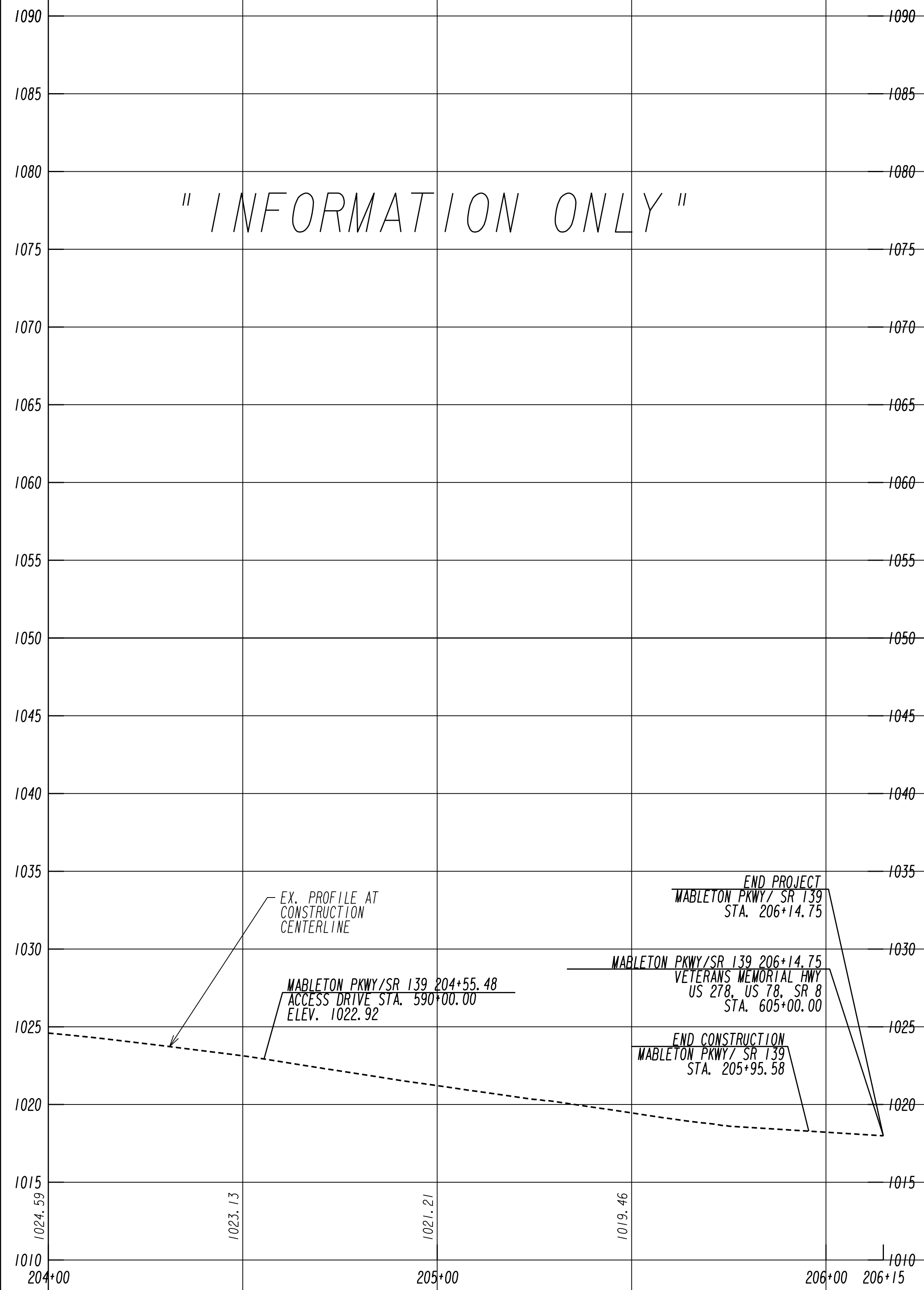
Offices:  
 65 Aberdeen Drive Glasgow, KY 42048 (502) 651-1220  
 560 Acworth Landing Drive Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 245-3813

1" = 20' HORIZONTAL  
 1" = 5' VERTICAL

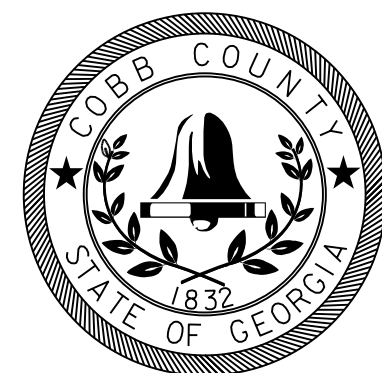
REVISION DATES	

**MAINLINE PROFILE**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>15-0011</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



" INFORMATION ONLY "



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42041  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 245-3813

1" = 20' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES

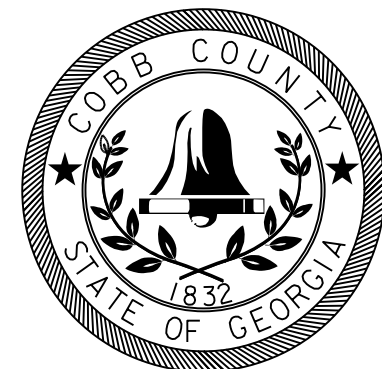
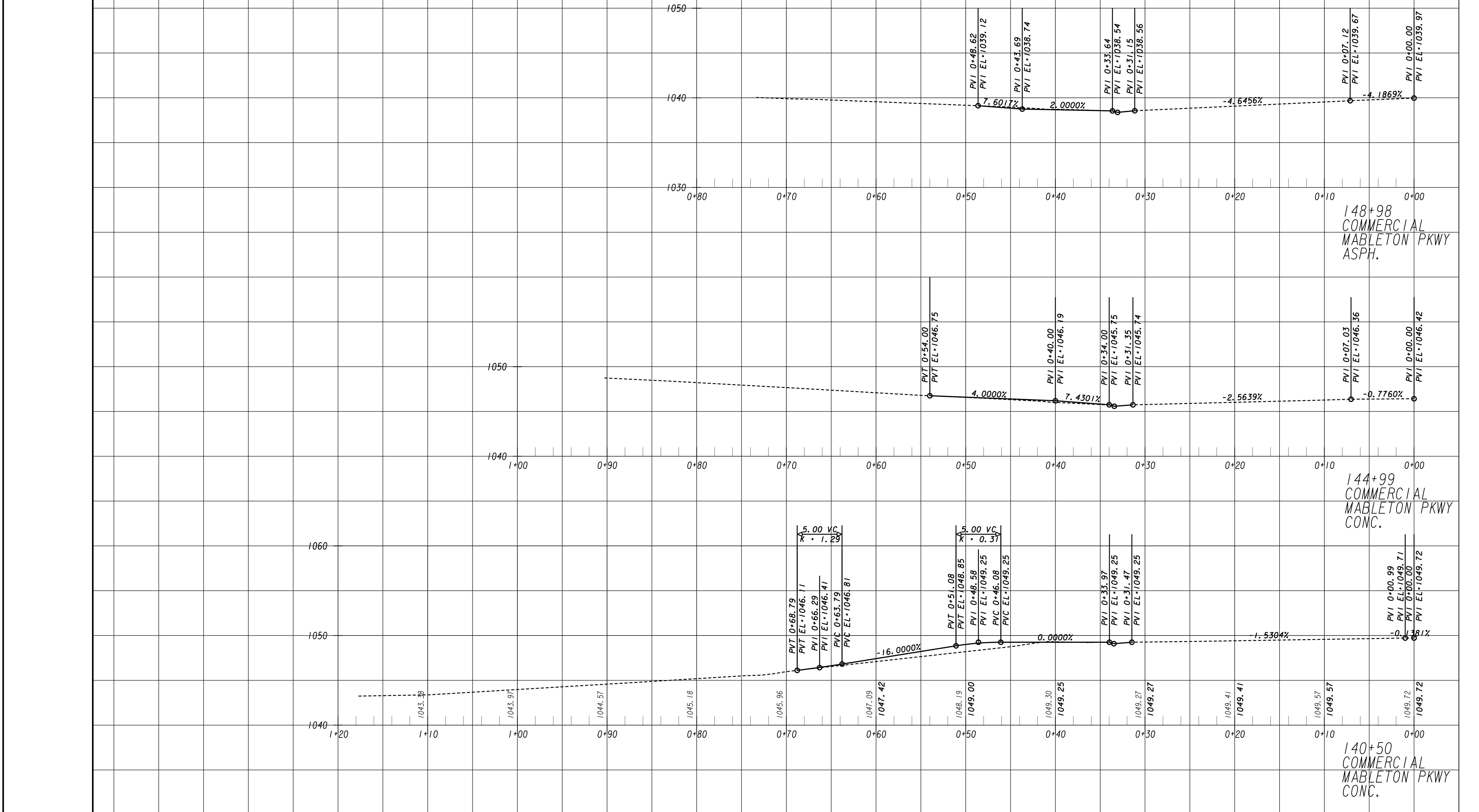
NO.	DATE	DESCRIPTION

MAINLINE PROFILE  
MABLETON PKWY TRAIL, PHASE 11

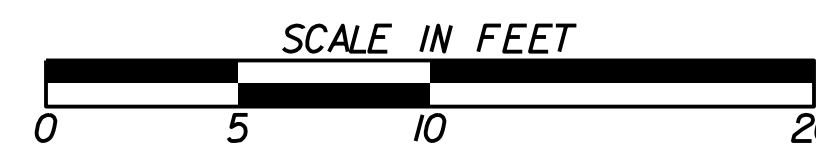
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.  
15-0012





PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

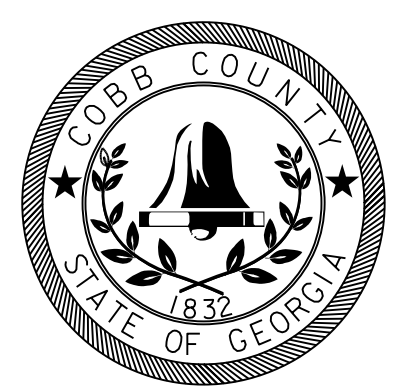
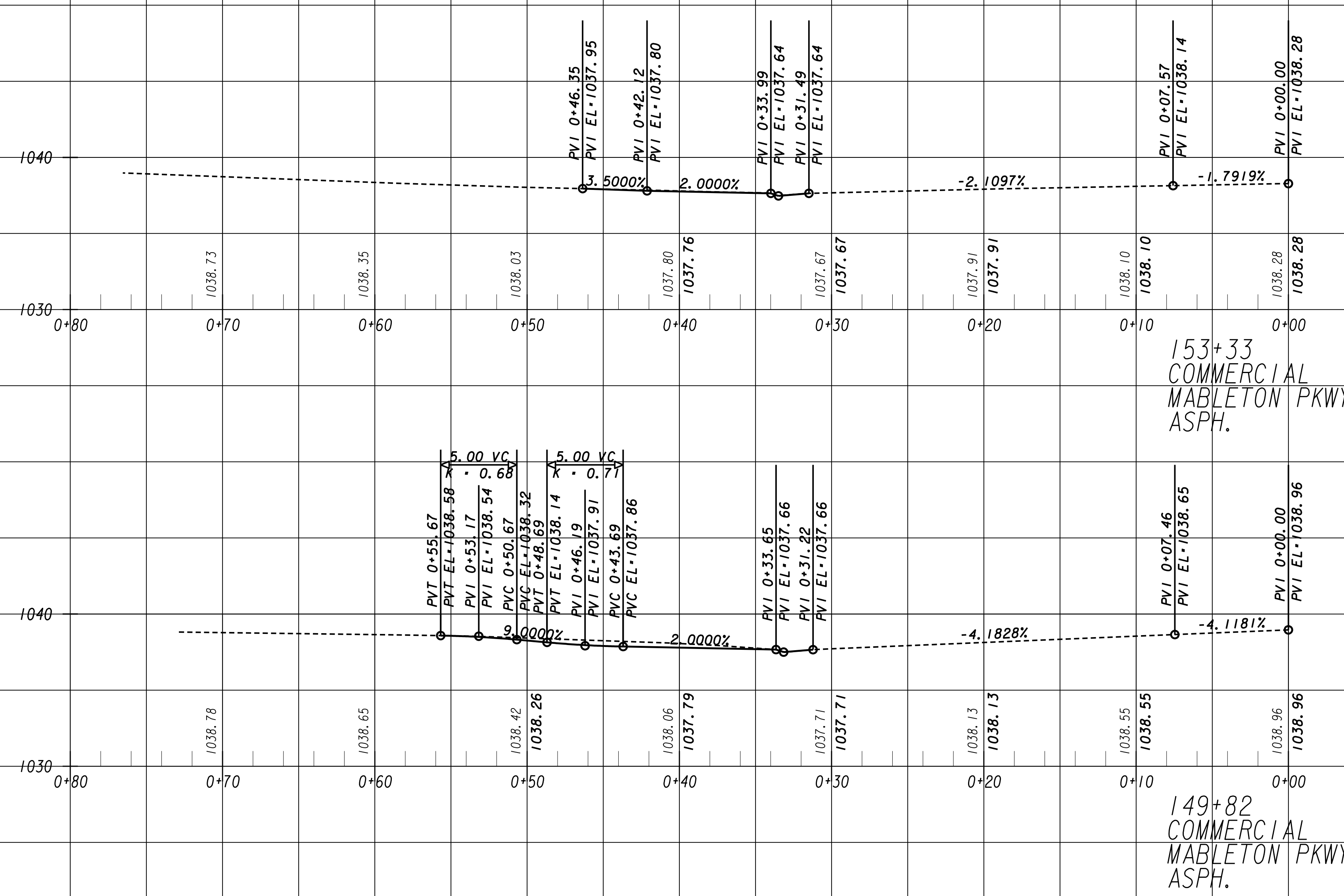


REVISION DATES

NO.	DATE	DESCRIPTION

DRIVEWAY PROFILE  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>17-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



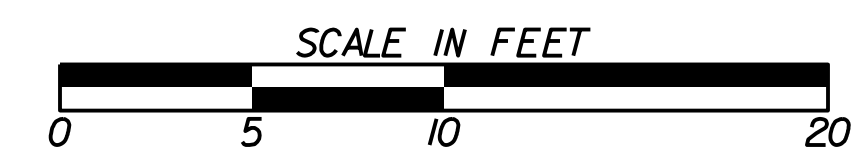
PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

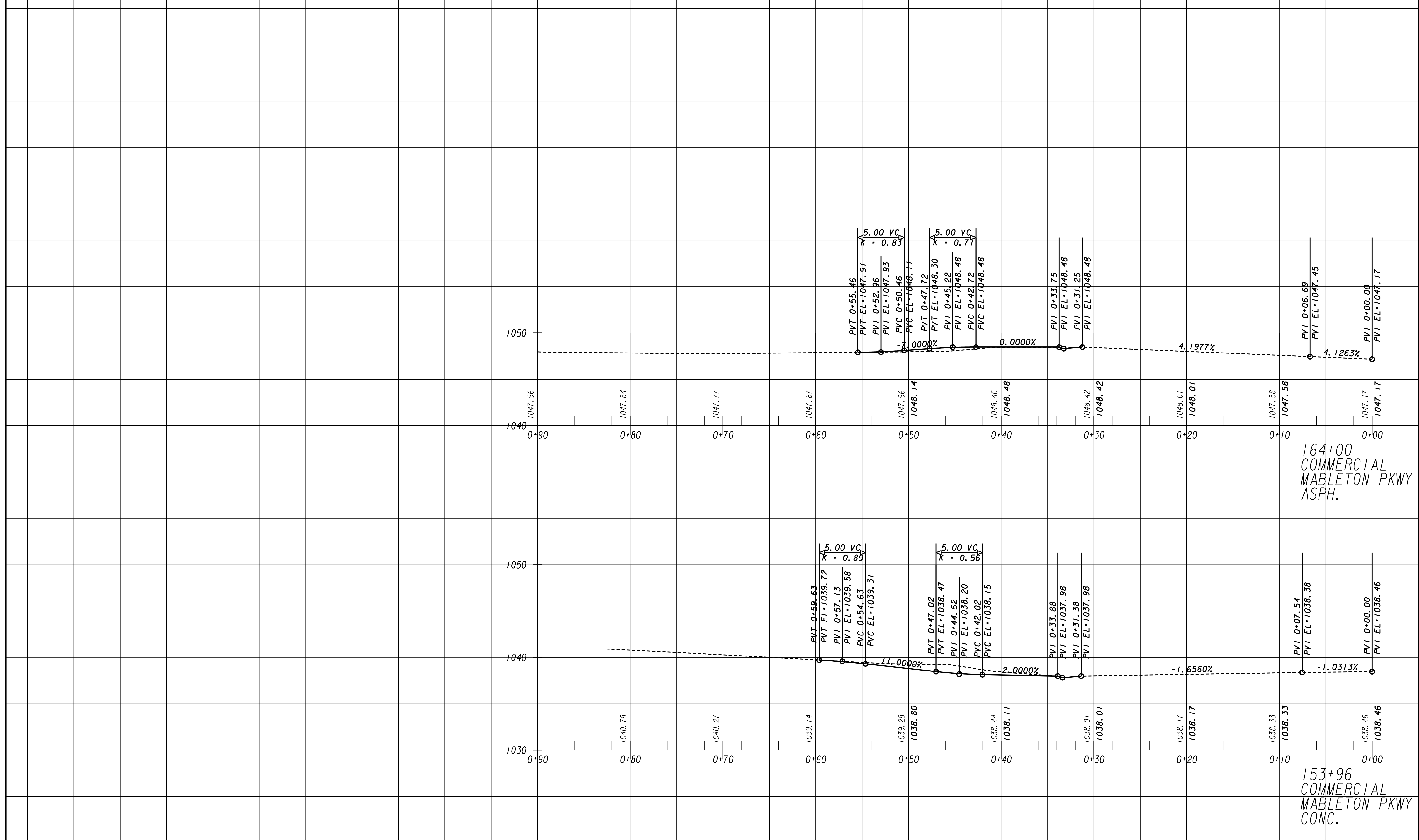
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



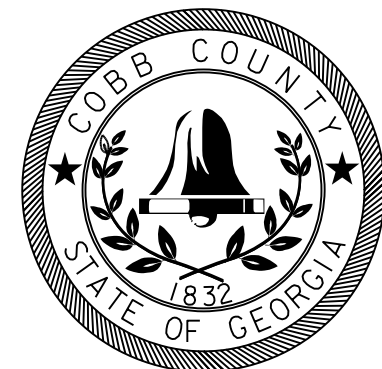
REVISION DATES	

DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

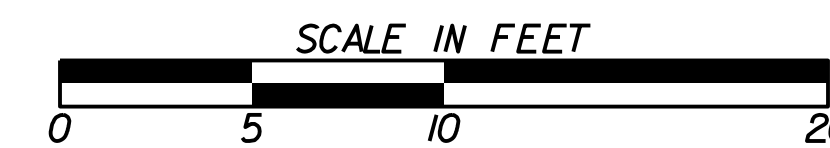


164+00  
COMMERCIAL  
MABLETON PKWY  
ASPH.

153+96  
COMMERCIAL  
MABLETON PKWY  
CONC.



PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



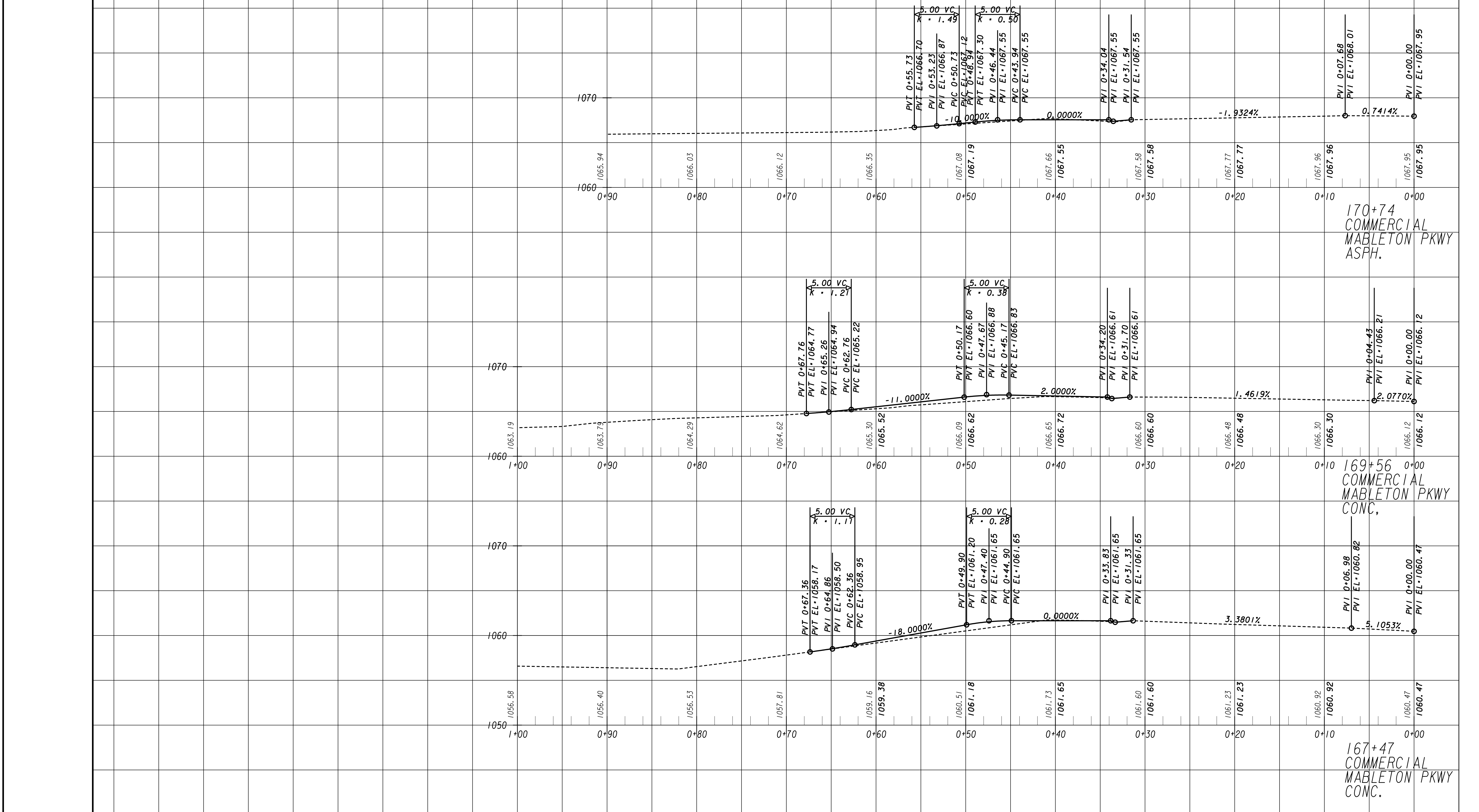
REVISION DATES

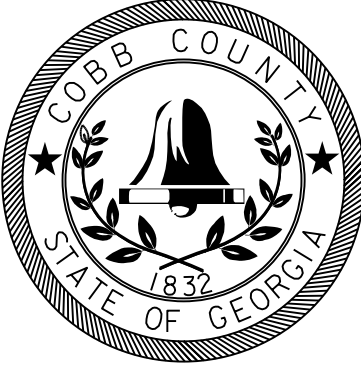
NO.	DATE	DESCRIPTION

**DRIVEWAY PROFILE**  
MABLETON PKWY TRAIL, PHASE II

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

DRAWING No.  
**17-0003**






PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

SCALE IN FEET



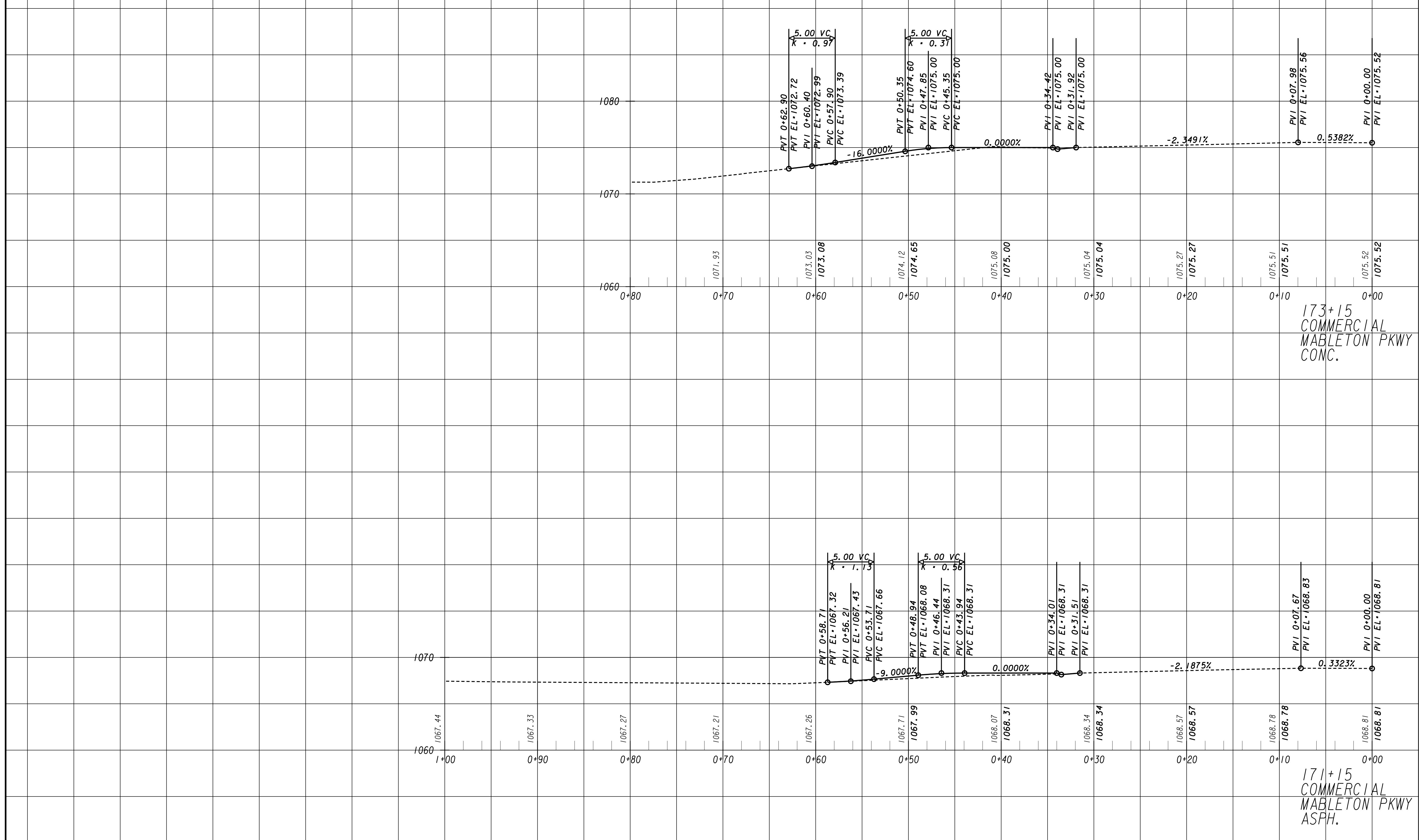
REVISION DATES


**DRIVEWAY PROFILE**

MABLETON PKWY TRAIL, PHASE II

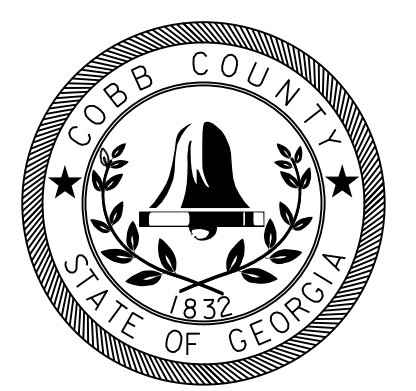
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No. 17-0004

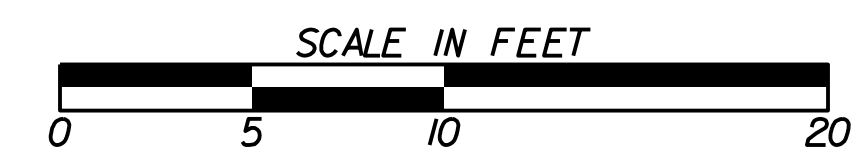


173+15  
COMMERCIAL  
MABLETON PKWY  
CONC.

171+15  
COMMERCIAL  
MABLETON PKWY  
ASPH.

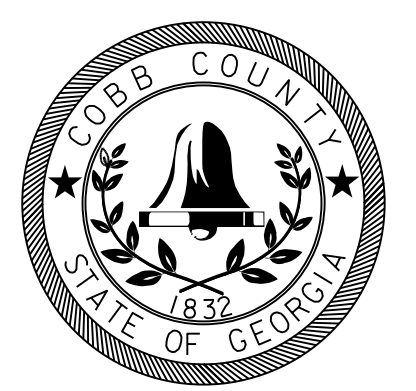
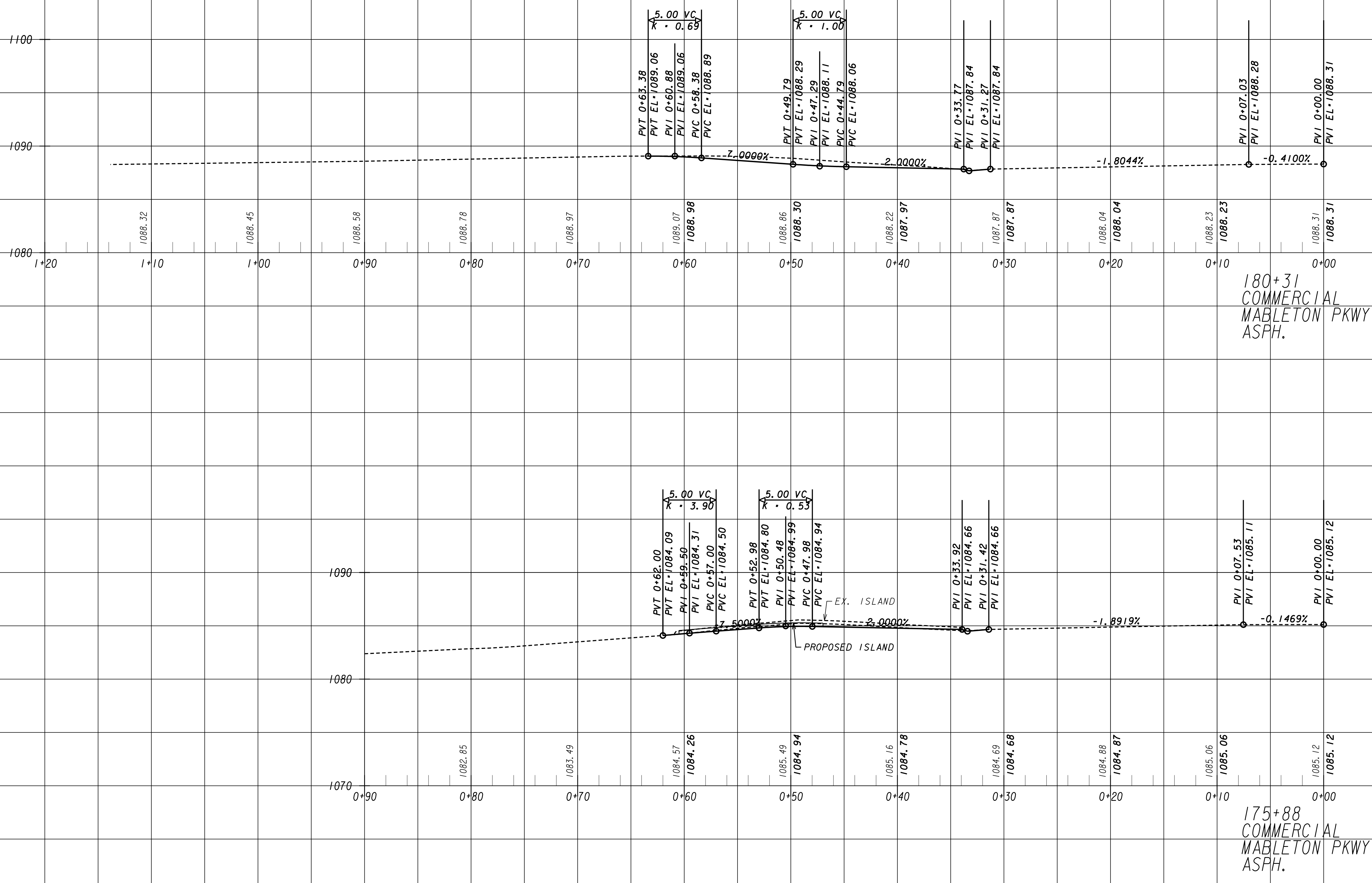


PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

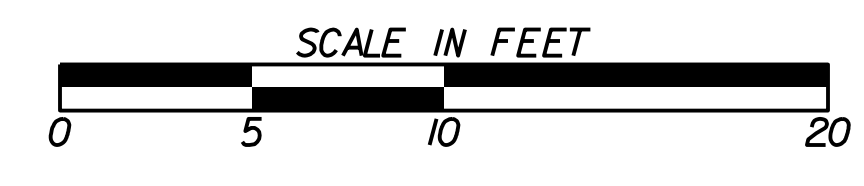


REVISION DATES	

DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

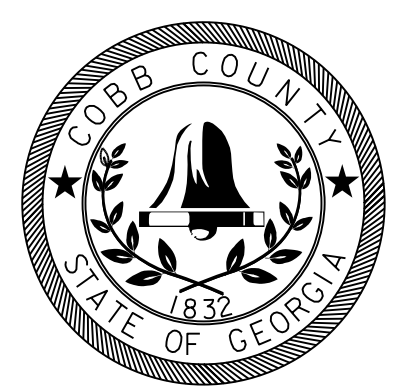
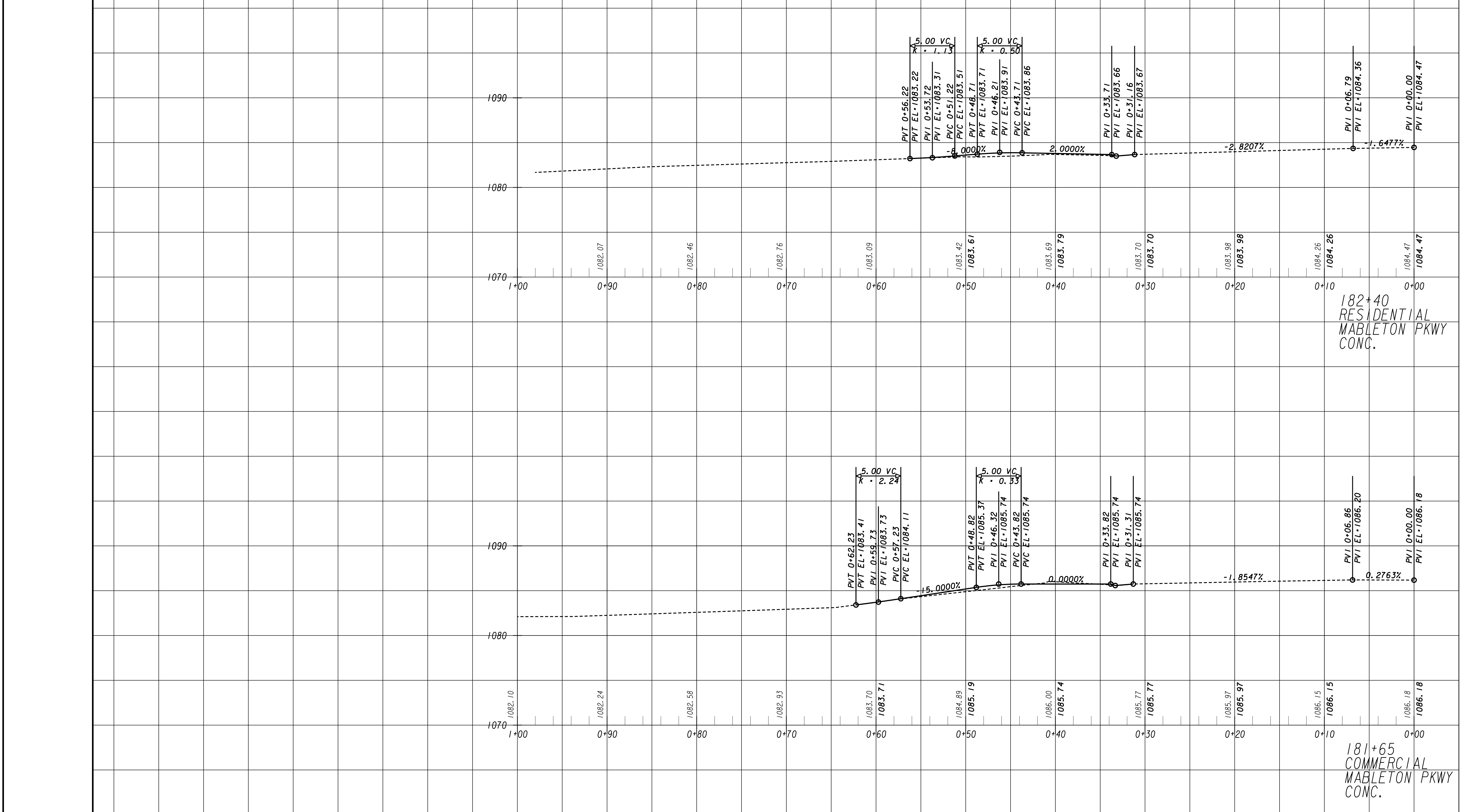


PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0006	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

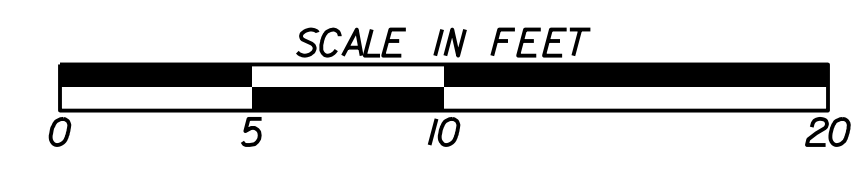


PLANS PREPARED AND SUBMITTED BY:

**AEI** design office

65 Aberdeen Drive Glasgow, KY 42048  
 2500 Nelson Miller Parkway Louisville, KY 40223  
 560 Acworth Landing Drive Acworth, GA 30001  
 (502) 651-1220 (770) 421-8422

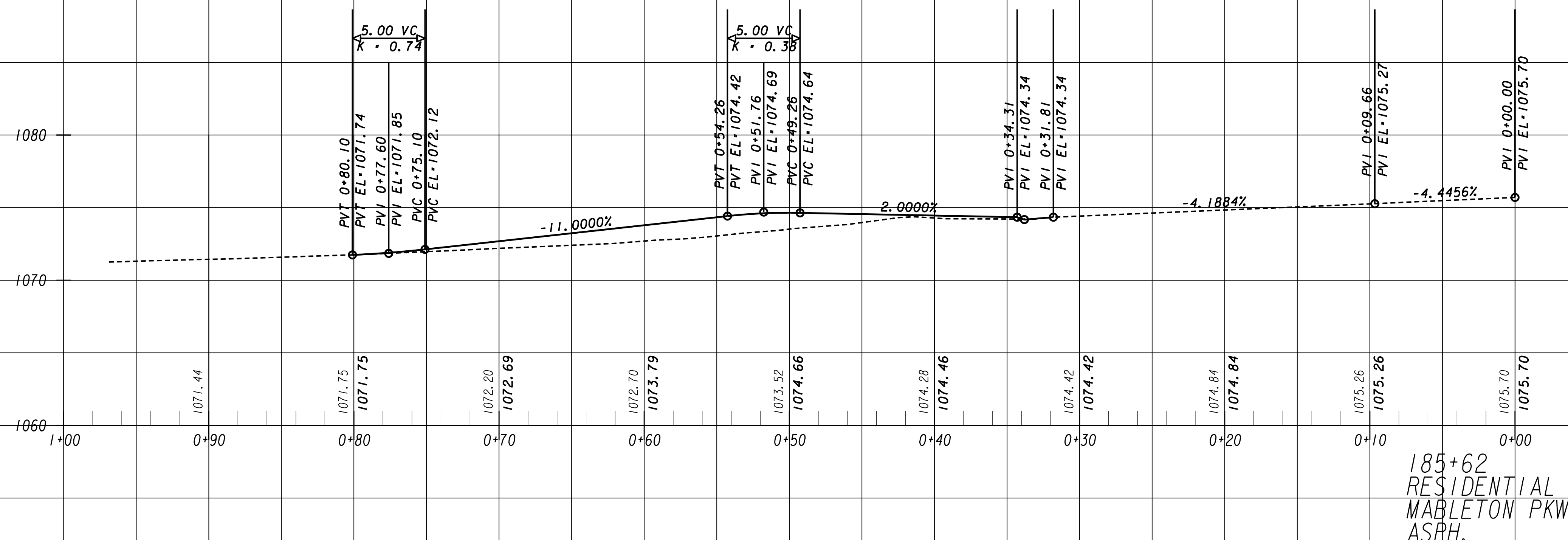
AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT



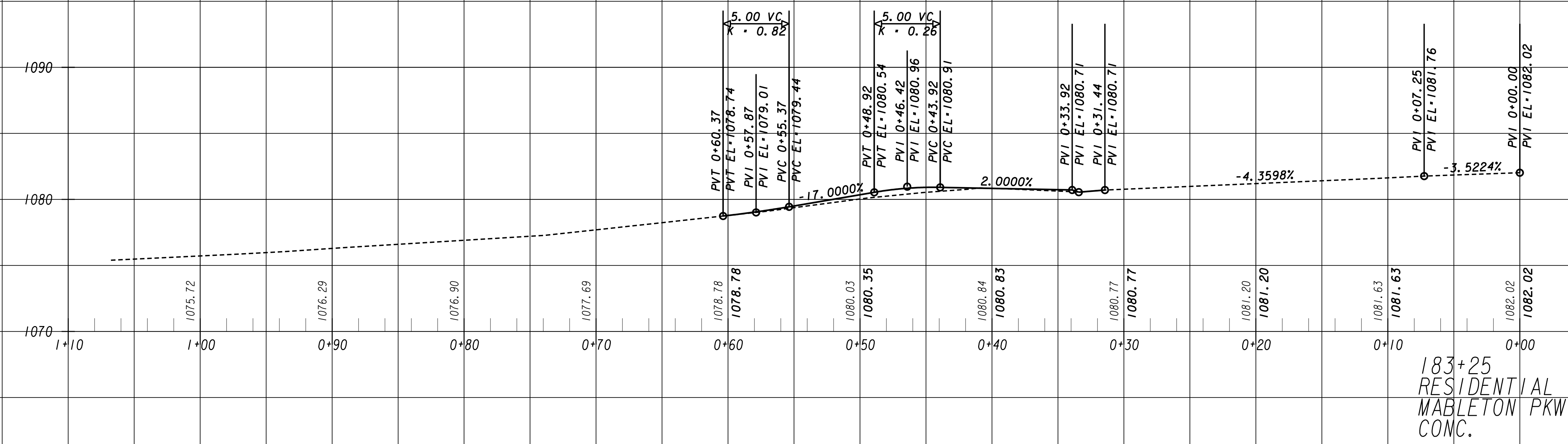
REVISION DATES	

**DRIVEWAY PROFILE**  
MABLETON PKWY TRAIL, PHASE II

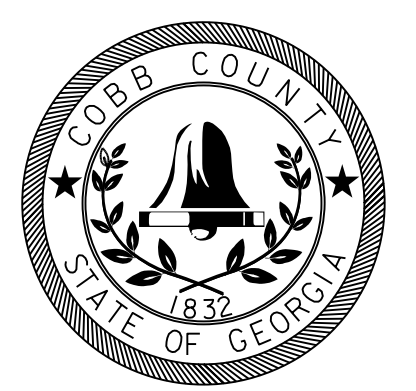
CHECKED:	DATE:	DRAWING No. <b>17-0007</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



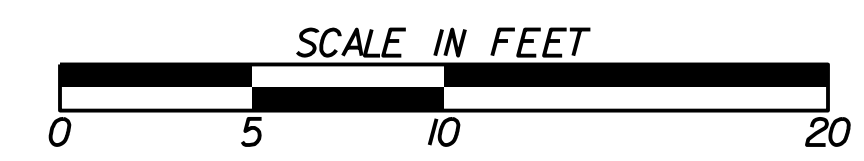
185+62  
RESIDENTIAL  
MABLETON PKWY  
ASPH.



183+25  
RESIDENTIAL  
MABLETON PKWY  
CONC.



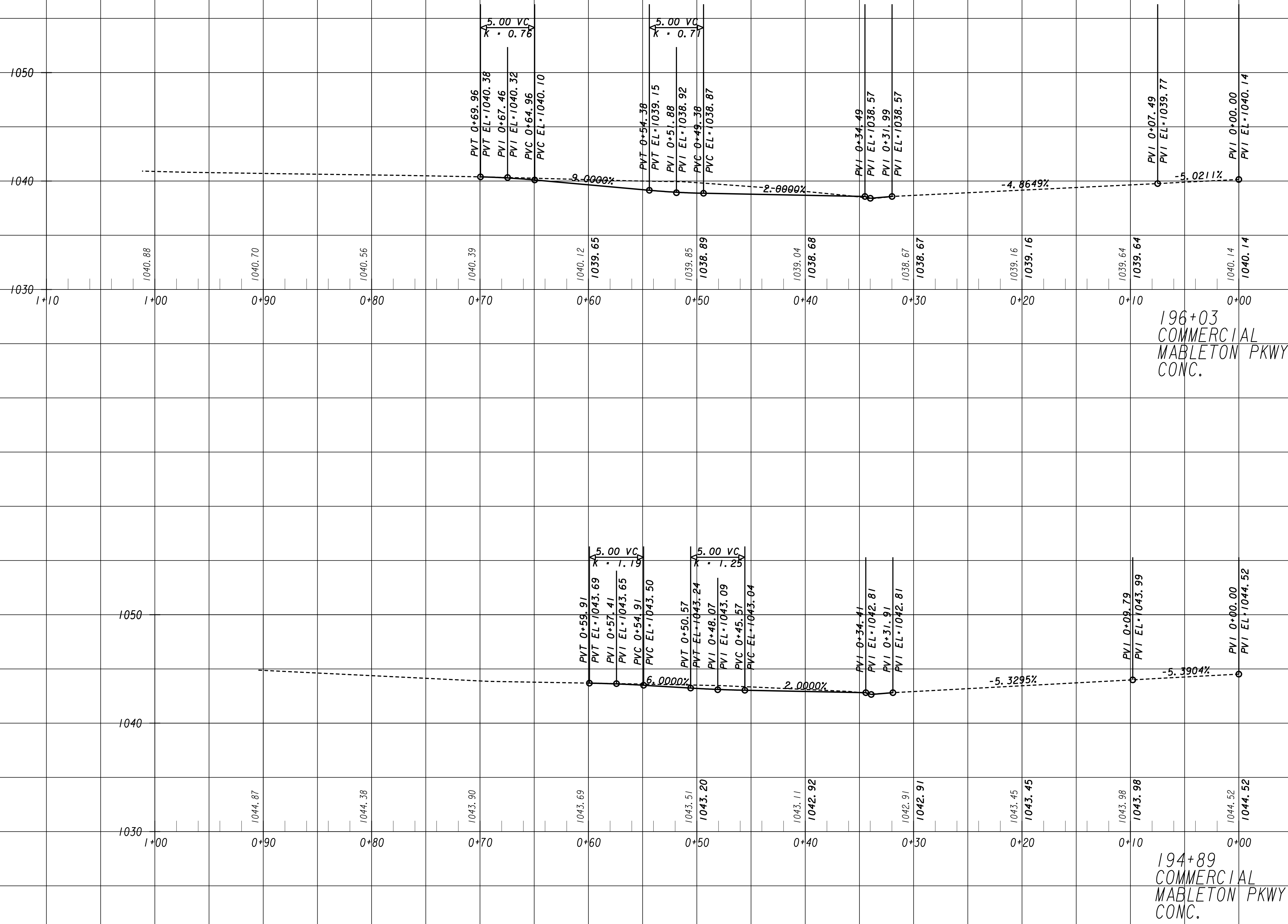
PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 65 Aberdeen Drive, Glasgow, KY 42044  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 560 Acworth Landing Drive, Acworth, GA 30001  
 (502) 651-1220, (770) 421-8422  
**AMERICAN ENGINEERS, INC.**  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



REVISION DATES	

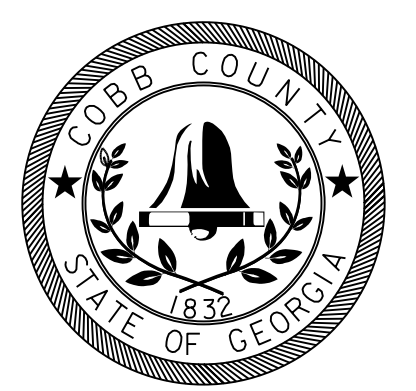
DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			17-0008



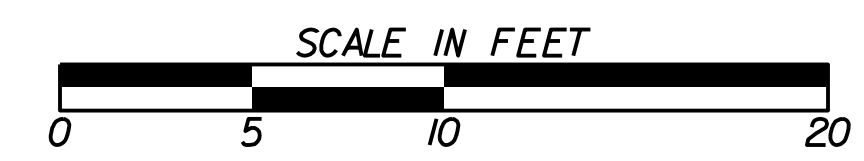


196+03  
COMMERCIAL  
MABLETON PKWY  
CONC.

194+89  
COMMERCIAL  
MABLETON PKWY  
CONC.

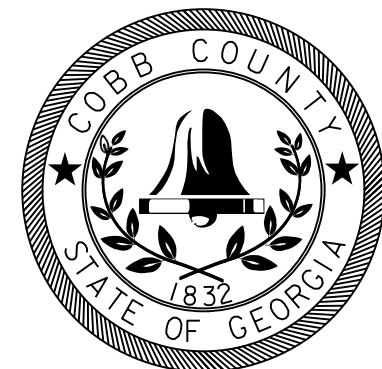
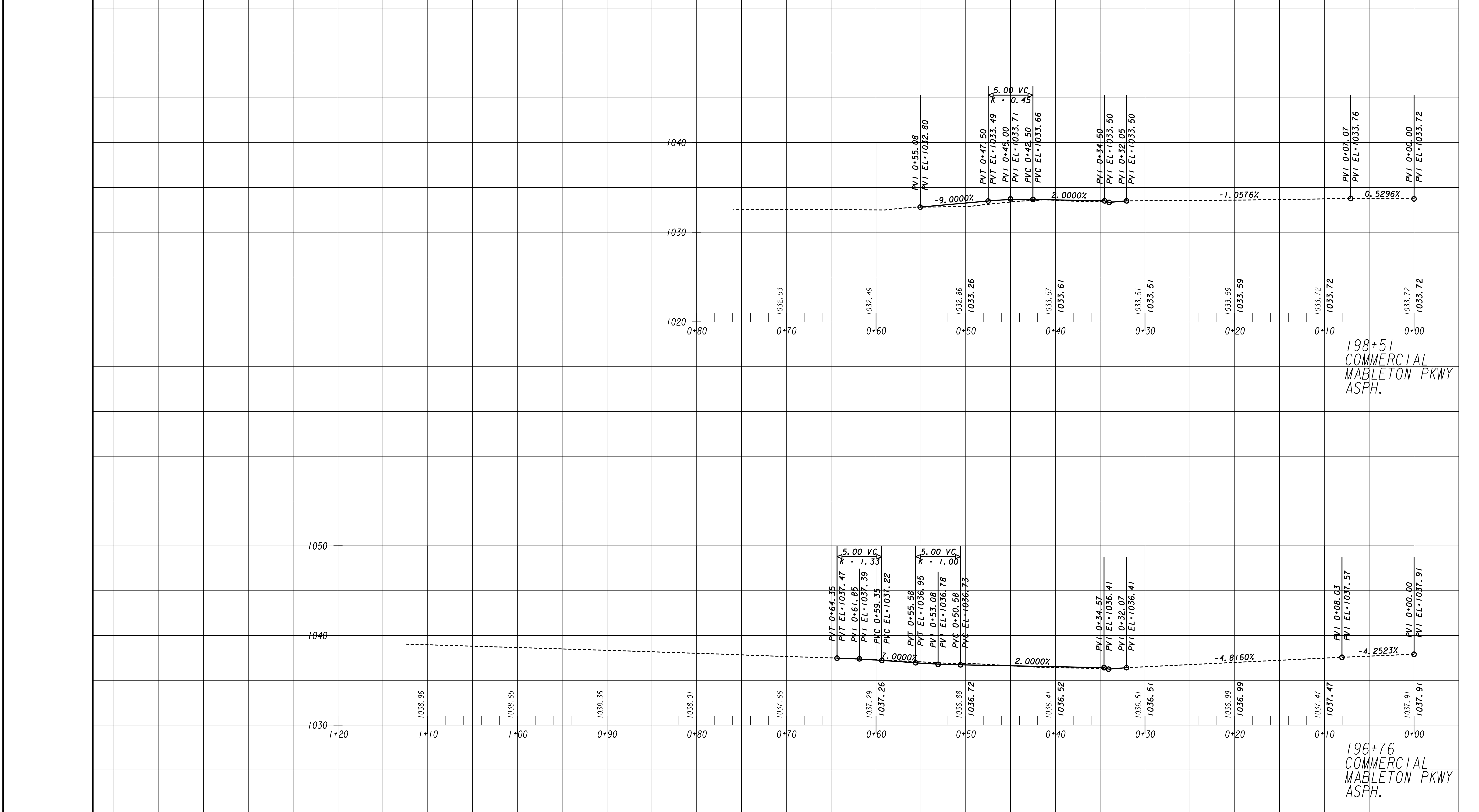


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

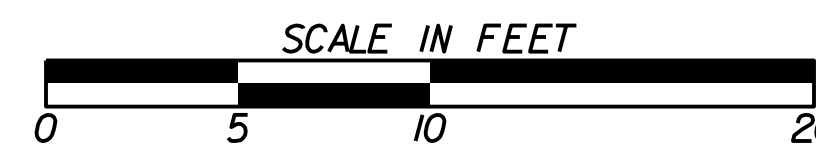


REVISION DATES	

DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0009	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



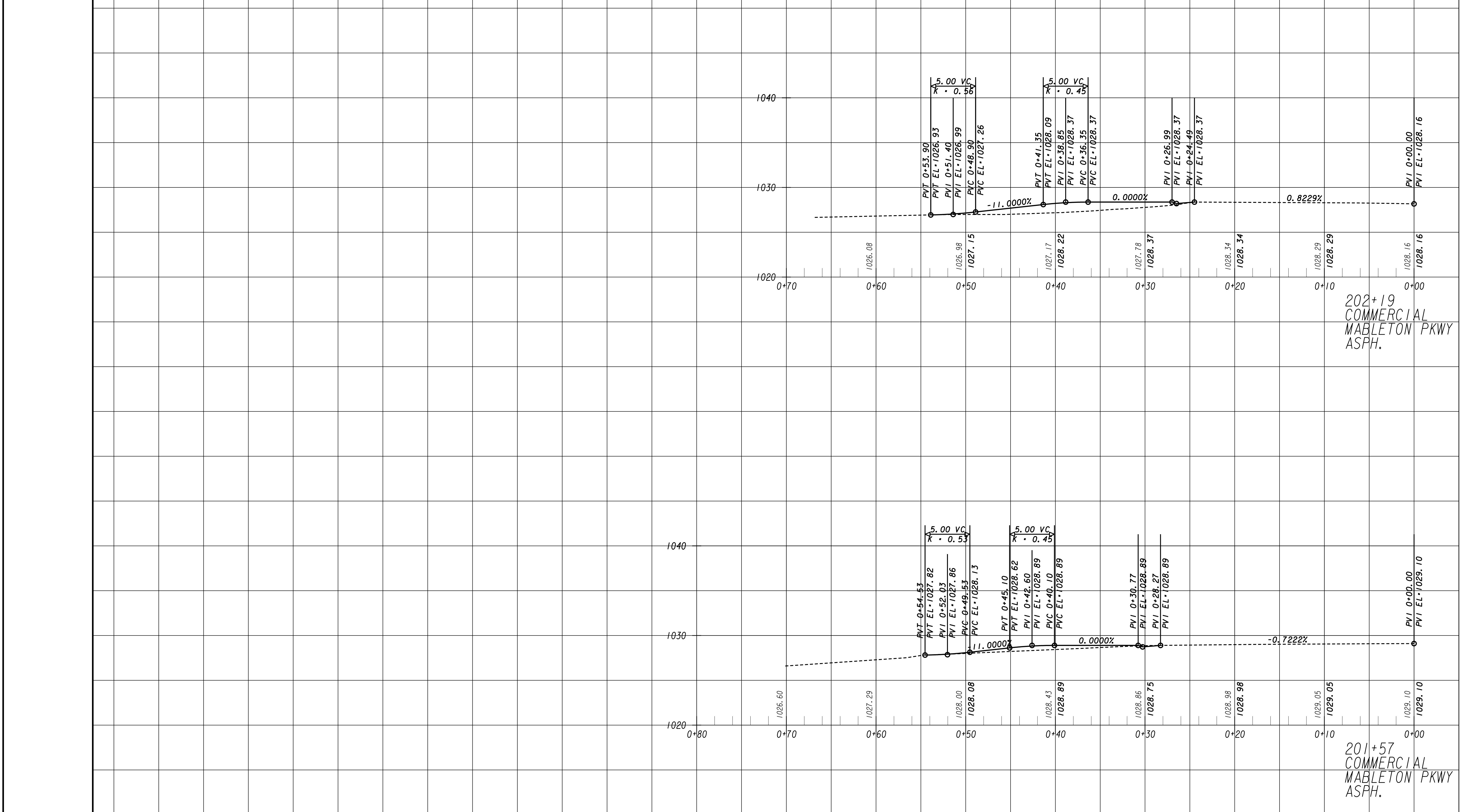
REVISION DATES

No.	Date	Description

**DRIVEWAY PROFILE**  
 MABLETON PKWY TRAIL, PHASE II

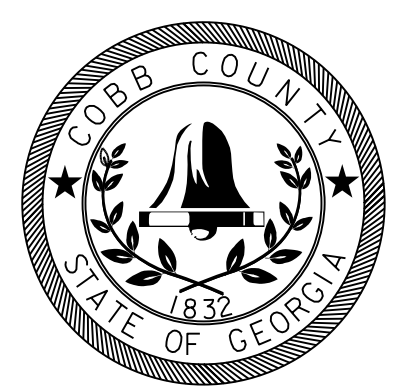
CHECKED:	DATE:
BACKCHECKED:	DATE:
CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.  
**17-0010**

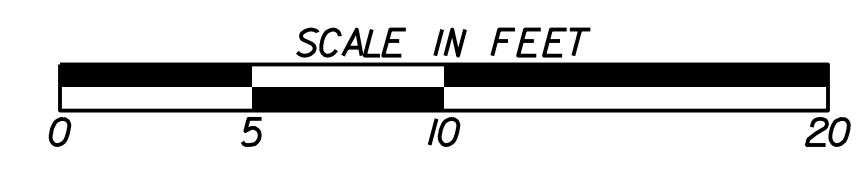


202+19  
COMMERCIAL  
MABLETON PKWY  
ASPH.

201+57  
COMMERCIAL  
MABLETON PKWY  
ASPH.

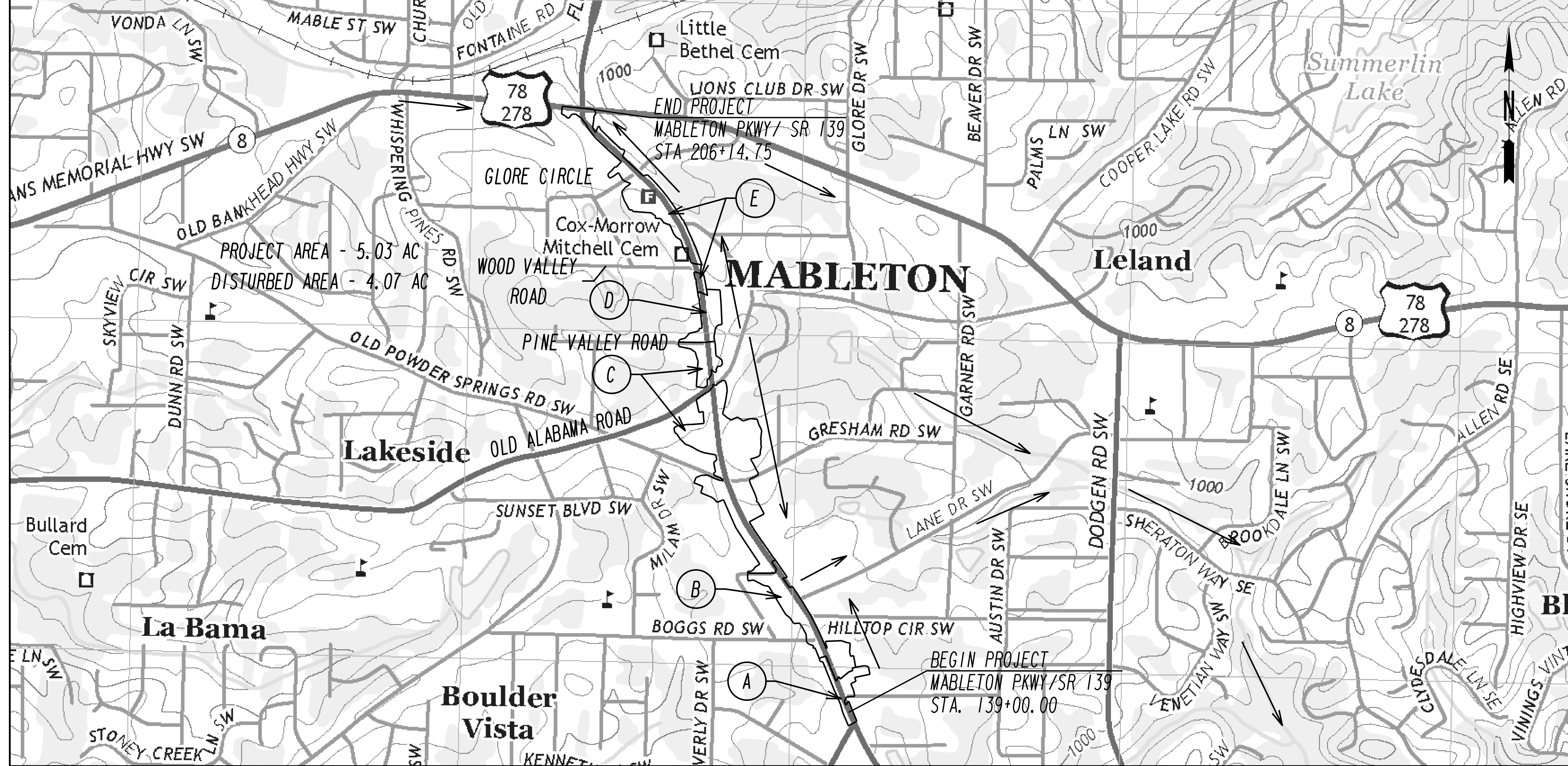


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



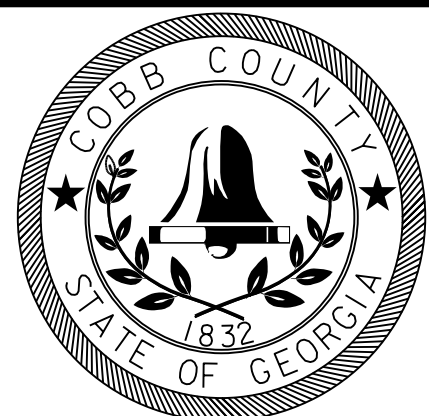
REVISION DATES	

DRIVEWAY PROFILE			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0011	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

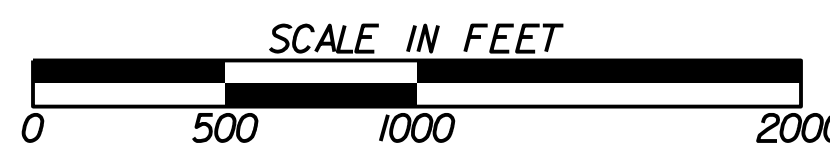


Drainage Summary Table

Outfall	Station and Offset	Drainage Area (Acres)	Disturbed Area (Acres)	Structure Description	Design Storm (yr)	Check Storm (yr)	C pre	C post	Design Storm Q pre (cfs)	Design Storm Q post (cfs)	Check Storm Q pre (cfs)	Check Storm Q post (cfs)	Design Storm V pre (ft/s)	Design Storm V post (ft/s)	Check Storm V pre (ft/s)	Check Storm V post (ft/s)
A	143+07.89, 81' LT	2.16	0.23	Proposed 24" Pipe	10	50	0.74	0.77	6.55	8.14	8.91	11.07	4.22	5.11	5.29	5.75
B	150+67.61, 309' RT	5.97	0.39	Existing 30" Pipe	10	50	0.66	0.68	18.15	19.86	24.69	26.96	5.35	6.51	7.13	7.41
C	156+81.82, 37' RT	18.04	1.29	Existing 36" Pipe	10	50	0.58	0.60	36.21	39.88	49.44	56.63	5.96	6.66	7.16	7.51
D	184+09.05, 77' LT	2.55	0.18	Proposed 24" Pipe	10	50	0.65	0.65	7.77	7.77	10.59	10.59	4.40	5.01	6.00	5.65
E	204+11.13, 58' RT	7.85	0.73	Existing 24" Pipe	10	50	0.68	0.68	21.81	21.81	30.72	30.72	6.94	7.85	9.78	10.04



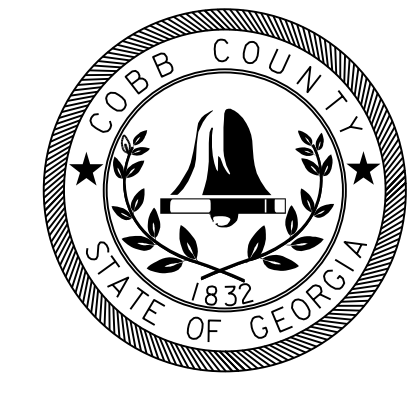
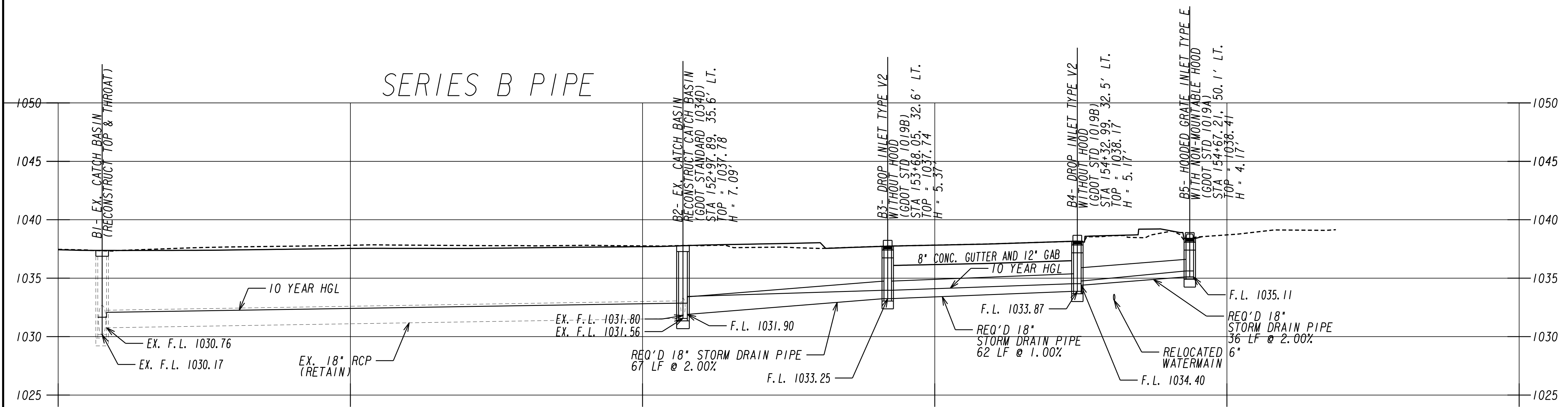
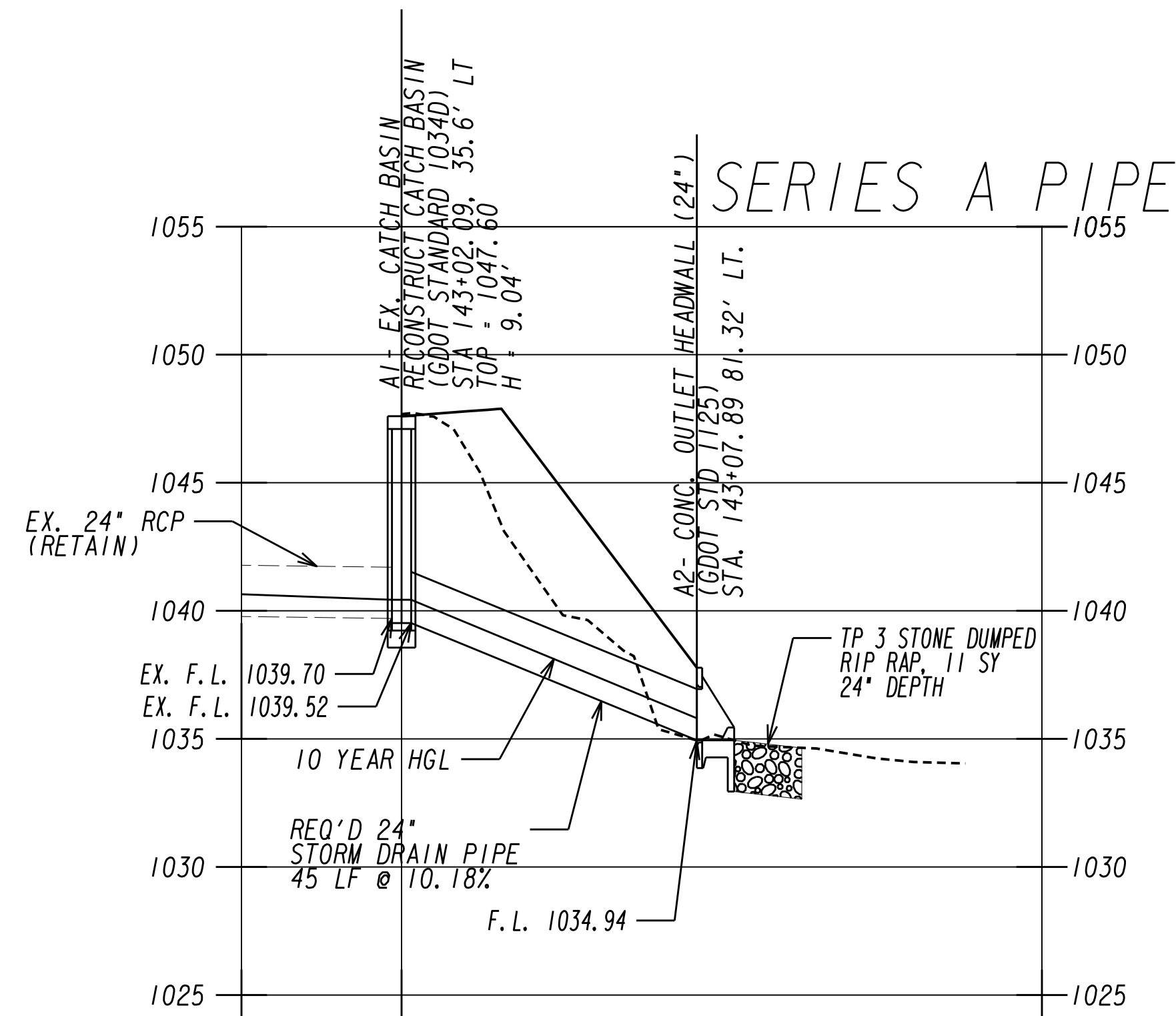
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES

**DRAINAGE AREA MAP**  
 MABLETON PKWY TRAIL, PHASE III

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	21-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

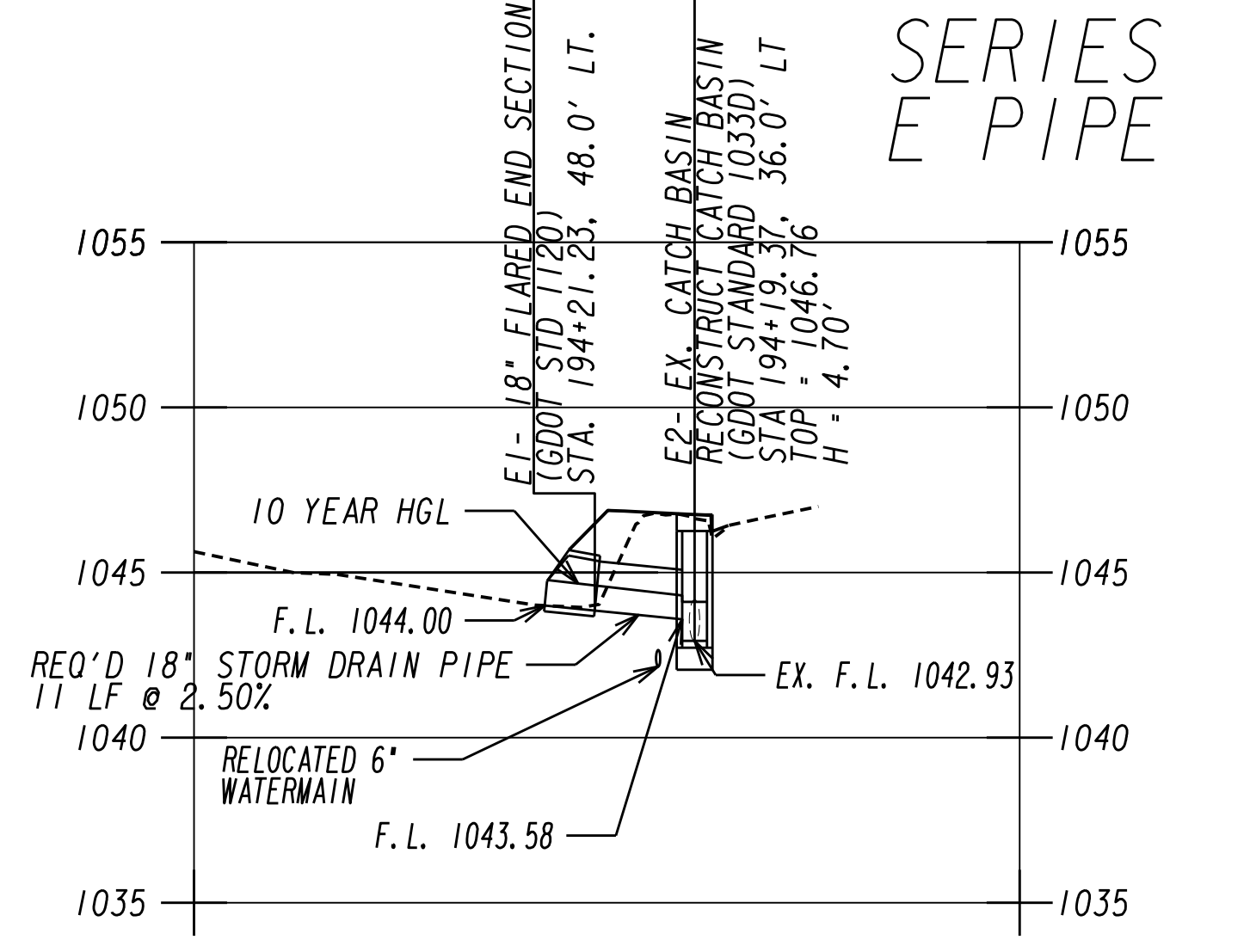
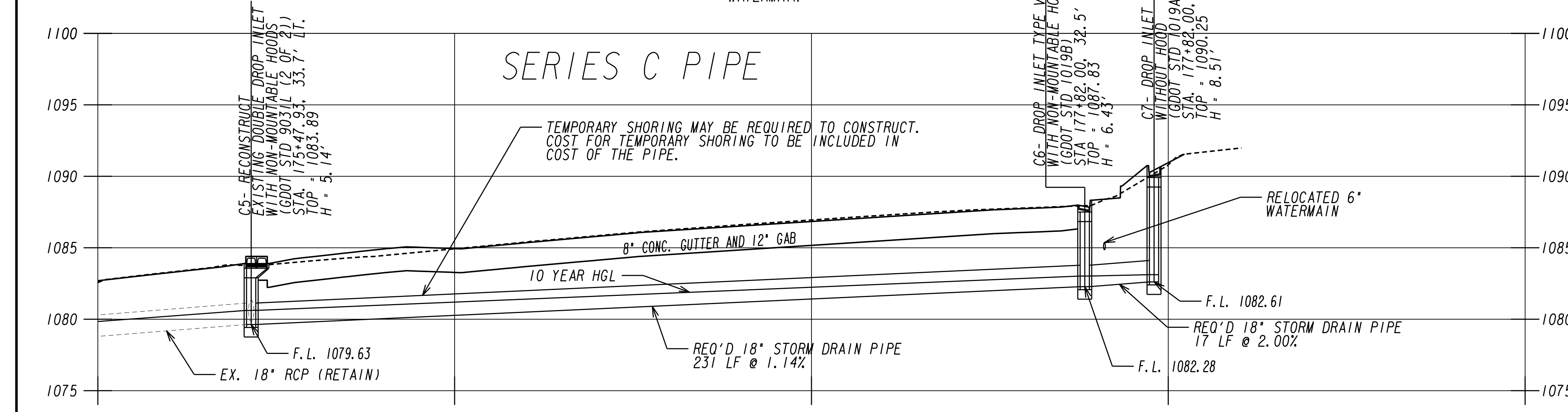
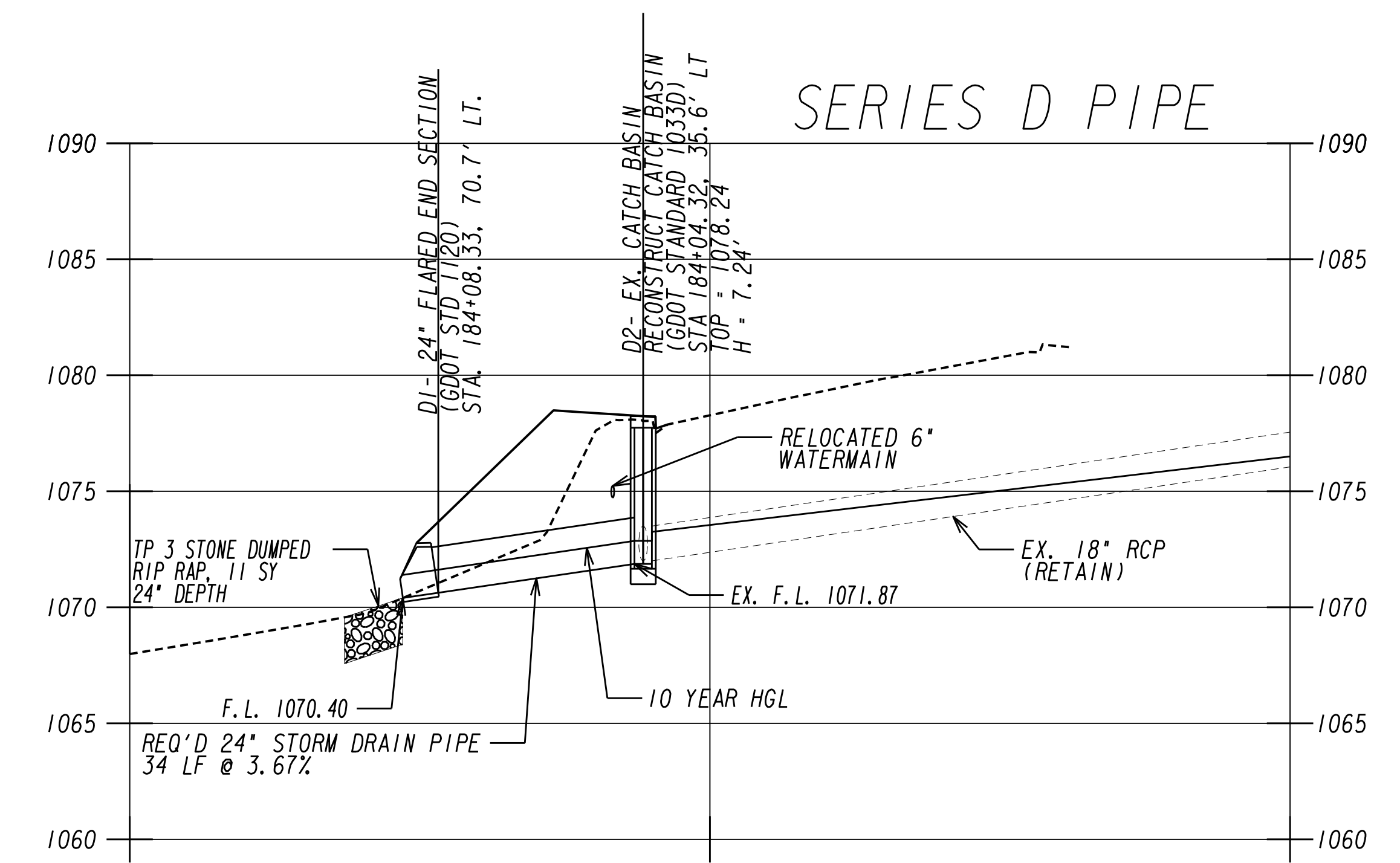
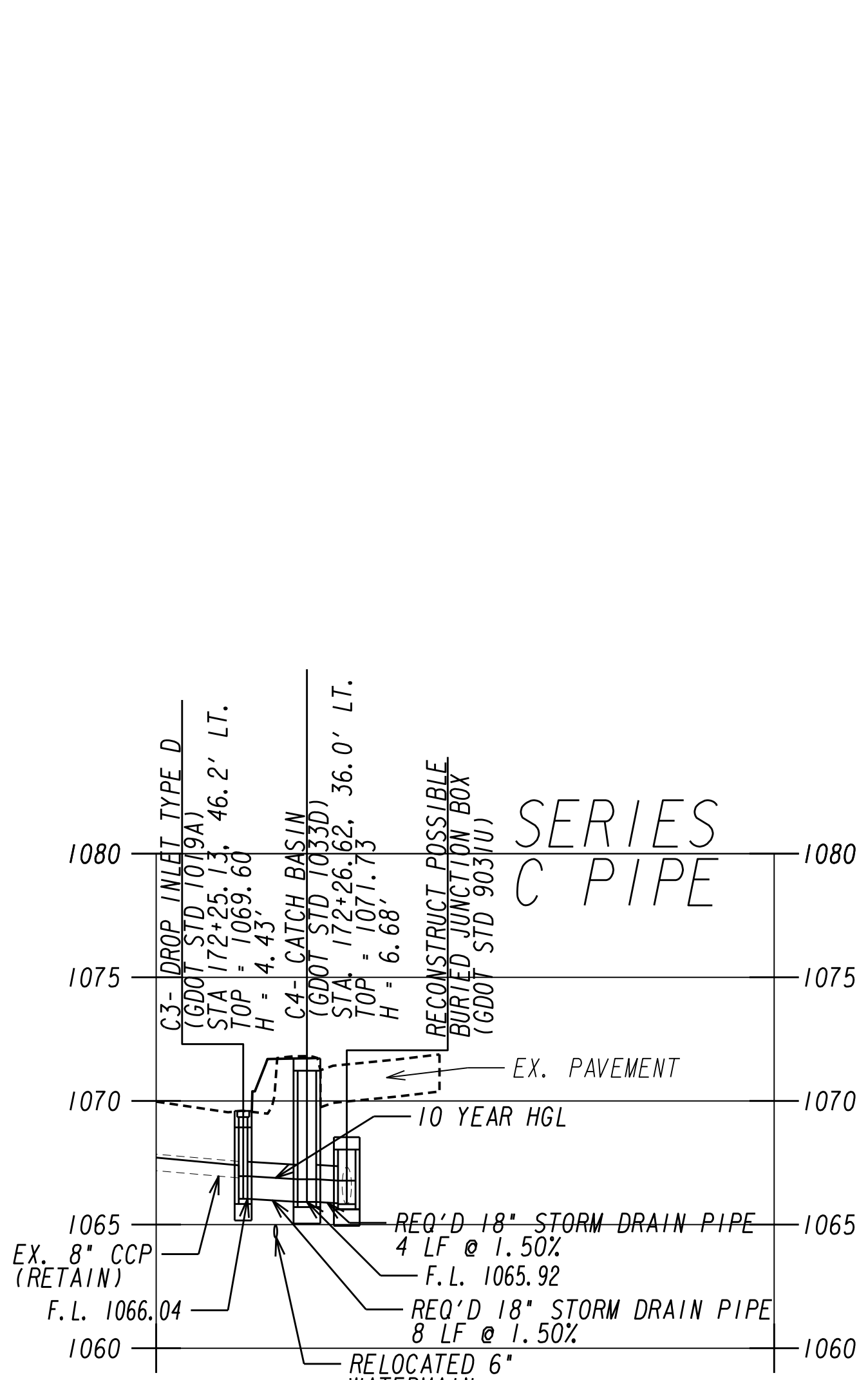
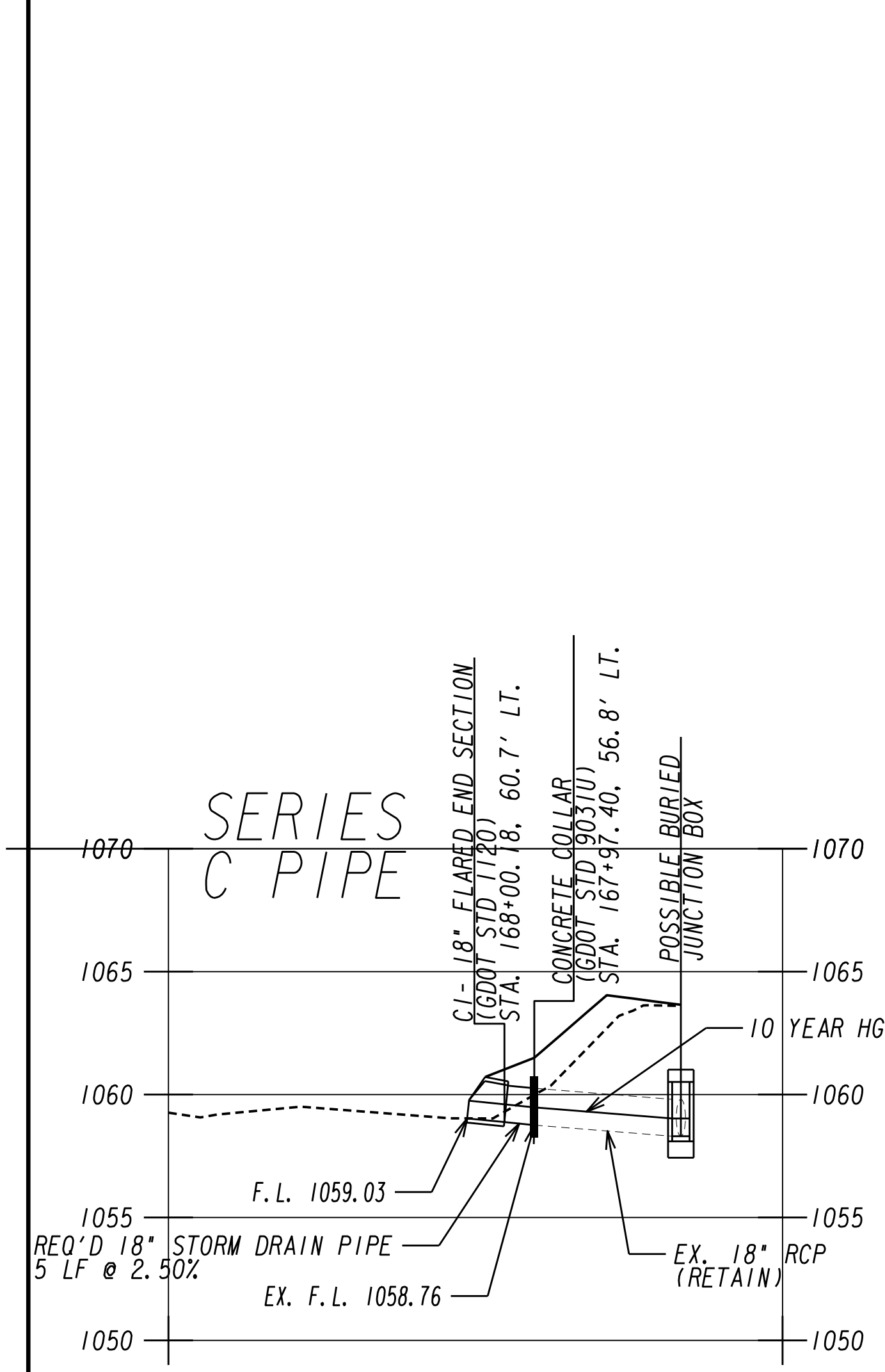
DESIGN CONSULTANT

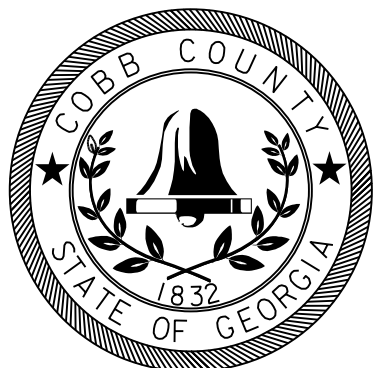
PROFESSIONAL ENGINEERING

1" = 20' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES	

DRAINAGE PROFILES			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	22-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





COBB COUNTY  
STATE OF GEORGIA

PLANS PREPARED AND SUBMITTED BY:

**AEI** AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

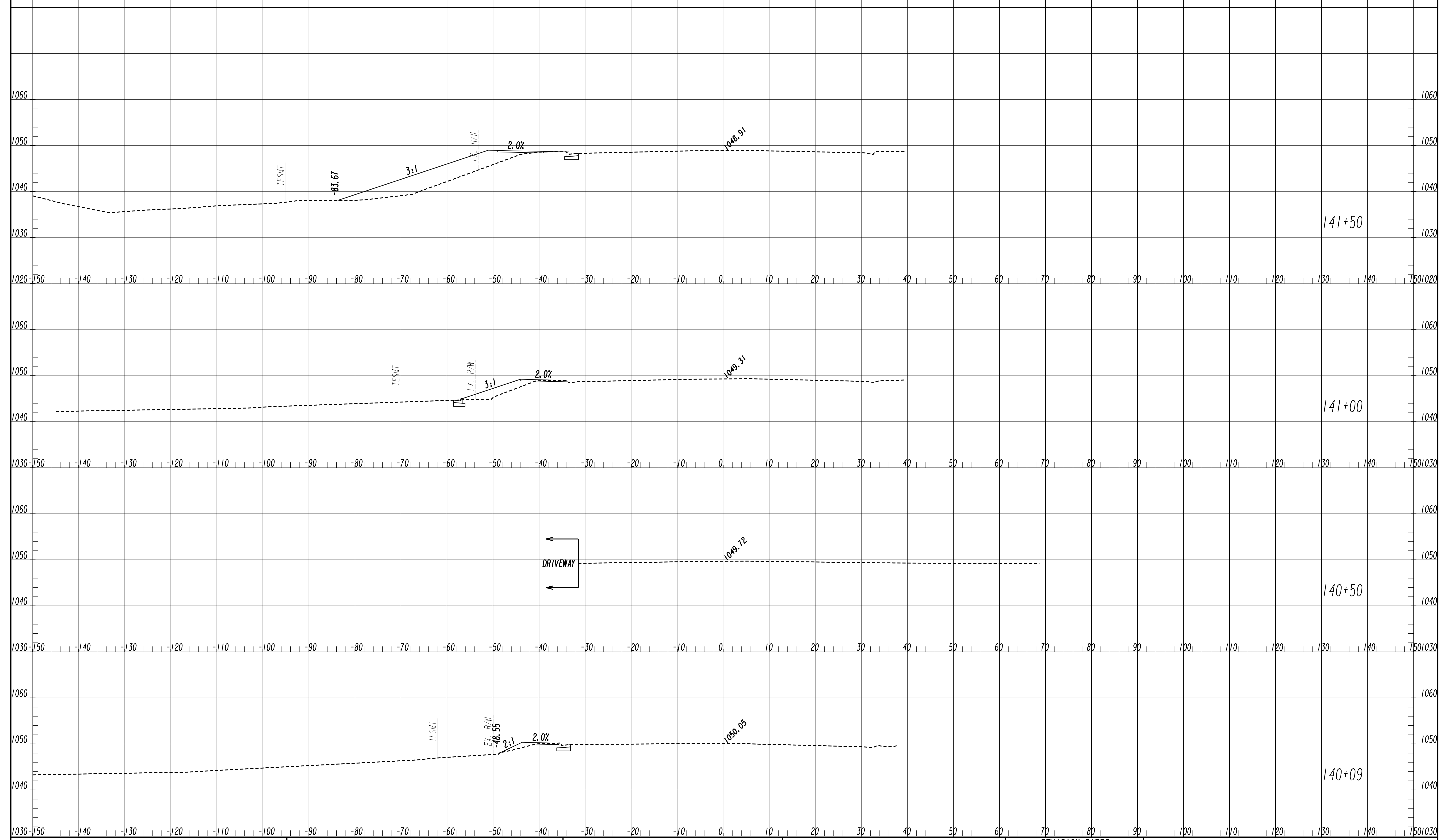
1" = 20' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES

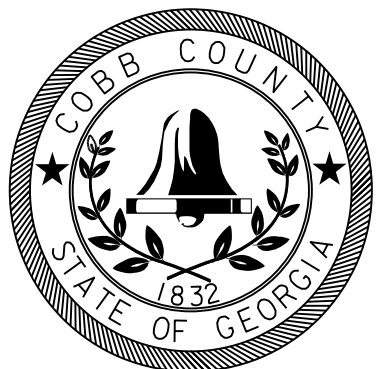

**DRAINAGE PROFILES**

MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>22-0002</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW

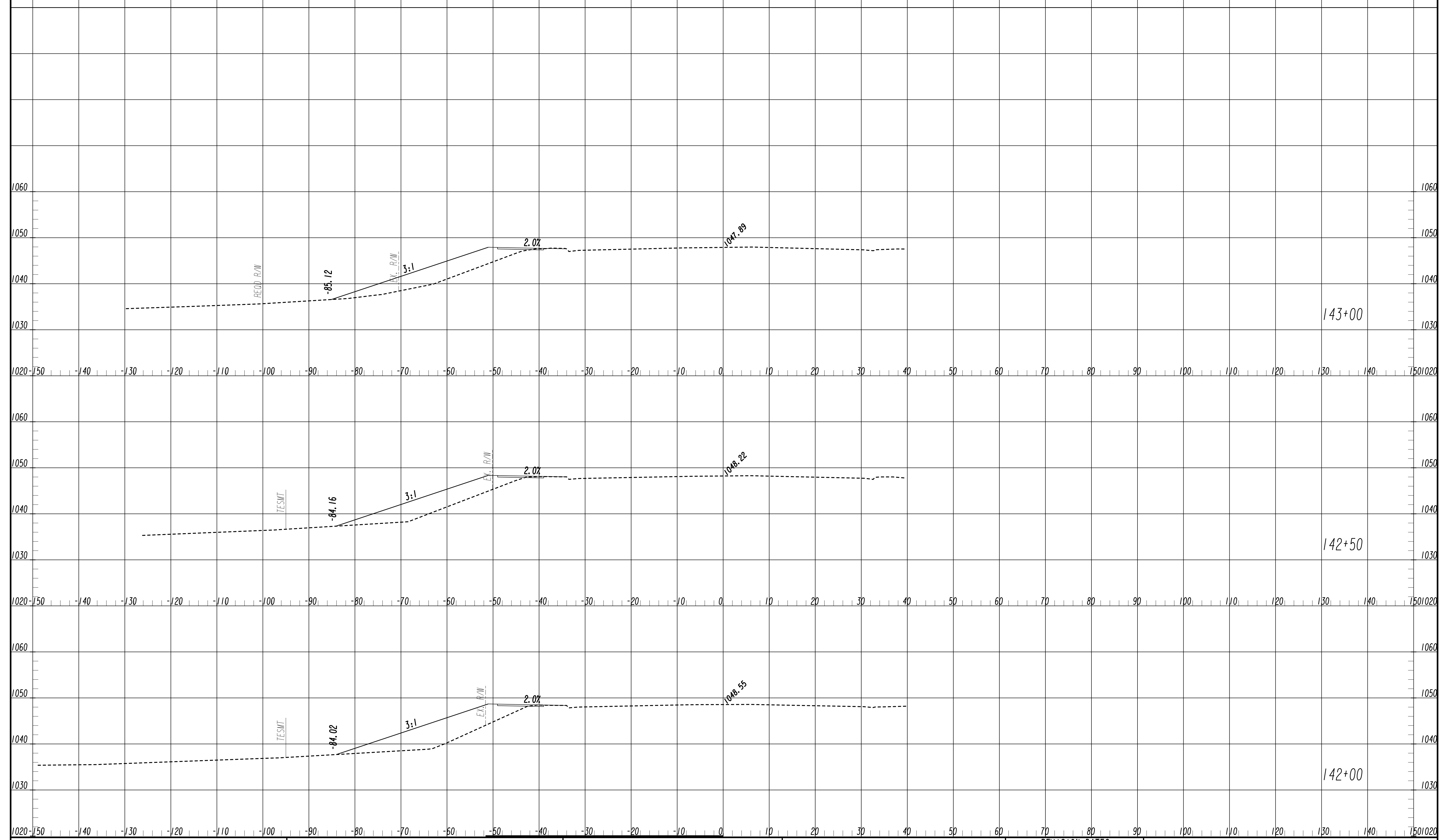


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

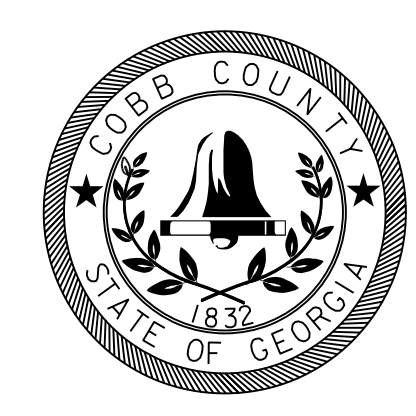
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0001



11/8/2008 SUXSEW



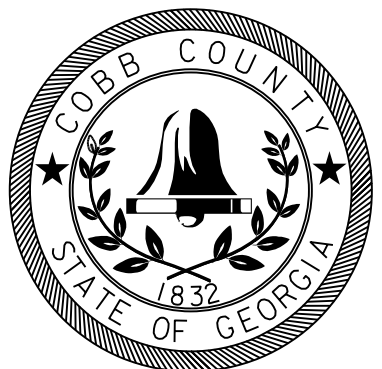
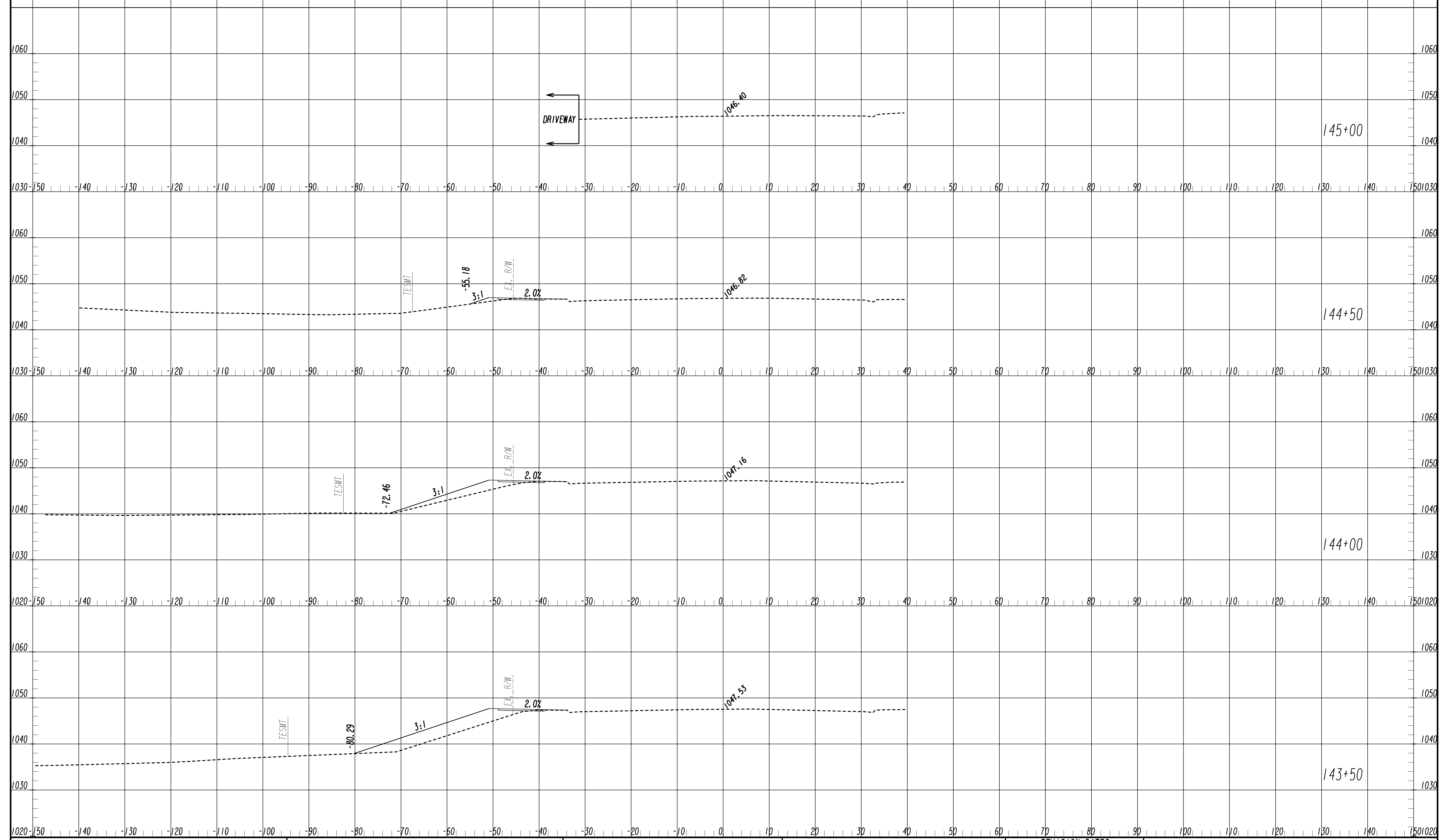
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

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

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0002





PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

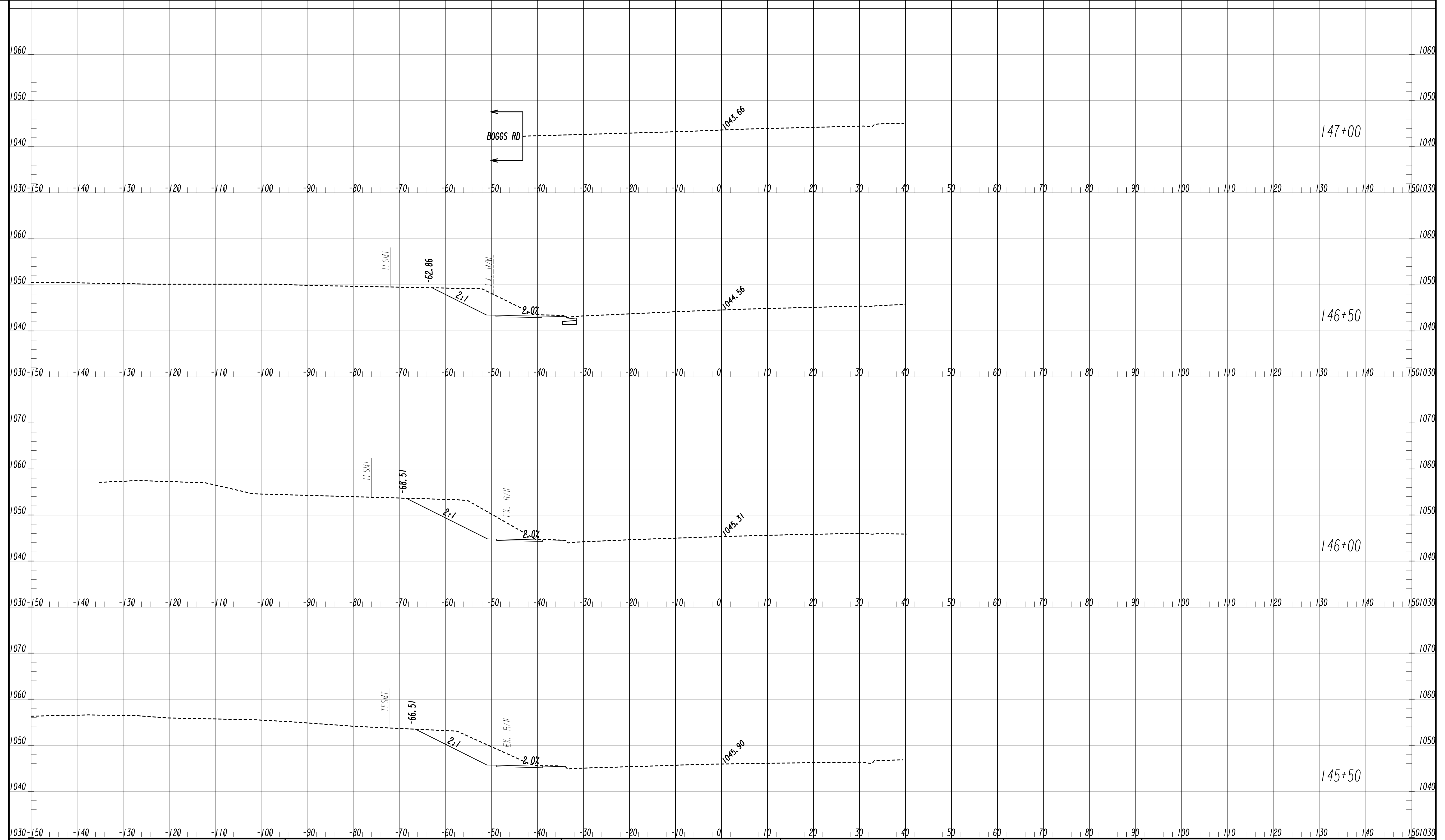
Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-8422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

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

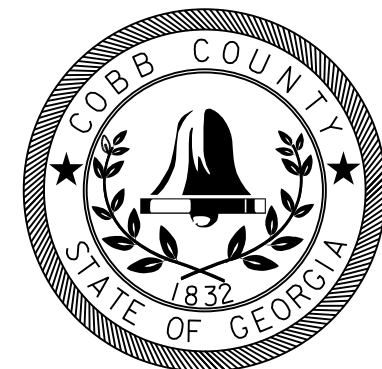
REVISION DATES	

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0003</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

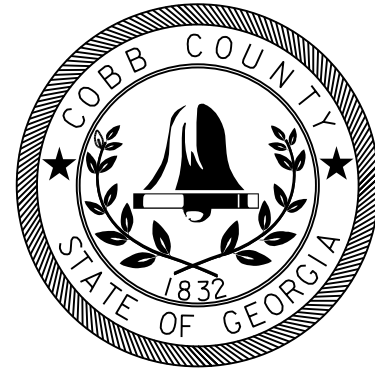
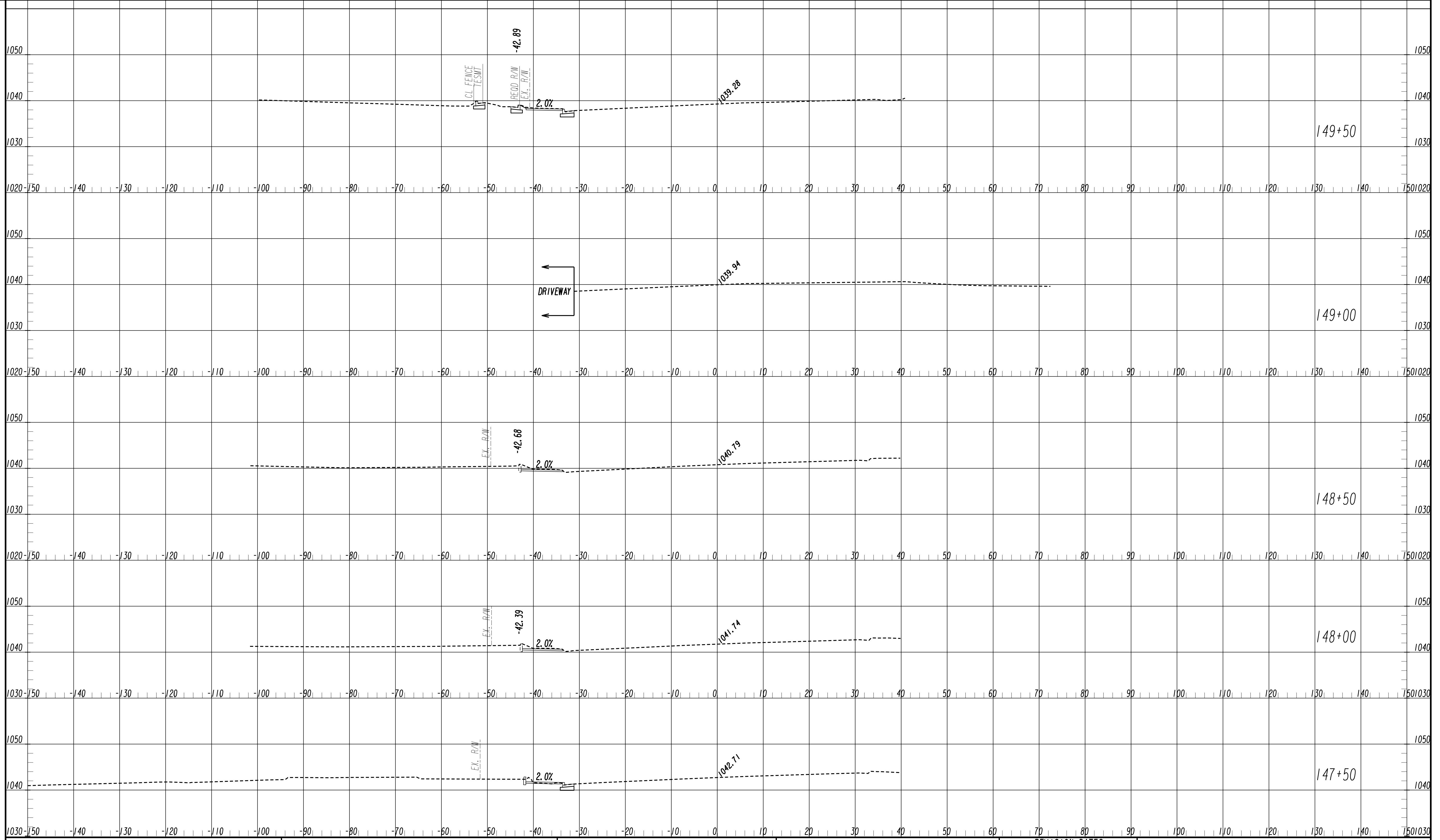
Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42041  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

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

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0004



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

565 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220

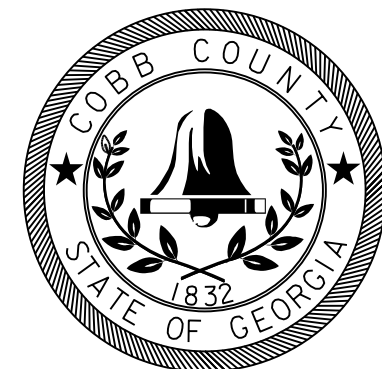
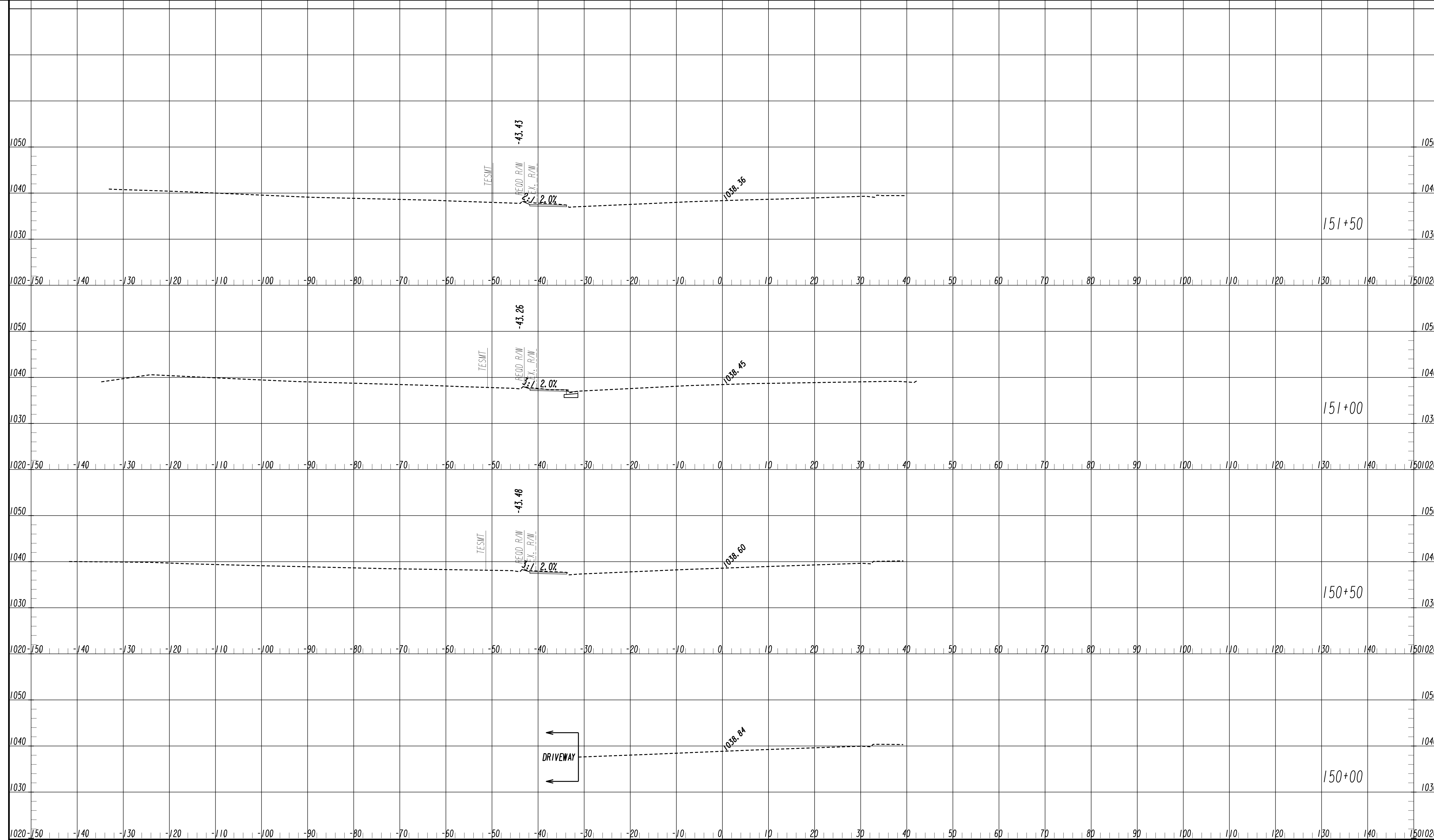
560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422

2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

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

REVISION DATES		CROSS SECTIONS	
		MABLETON PKWY TRAIL, PHASE II	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



PLANS PREPARED AND SUBMITTED BY:

**AEI** design office

65 Aberdeen Drive  
Cincinnati, KY 45248  
610-681-1220

560 Acworth Landing Drive  
Acworth, GA 30011  
770-421-8422

2500 Nelson Miller Parkway  
Louisville, KY 40223  
502-345-3813

AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING

DESIGN CONSULTANT

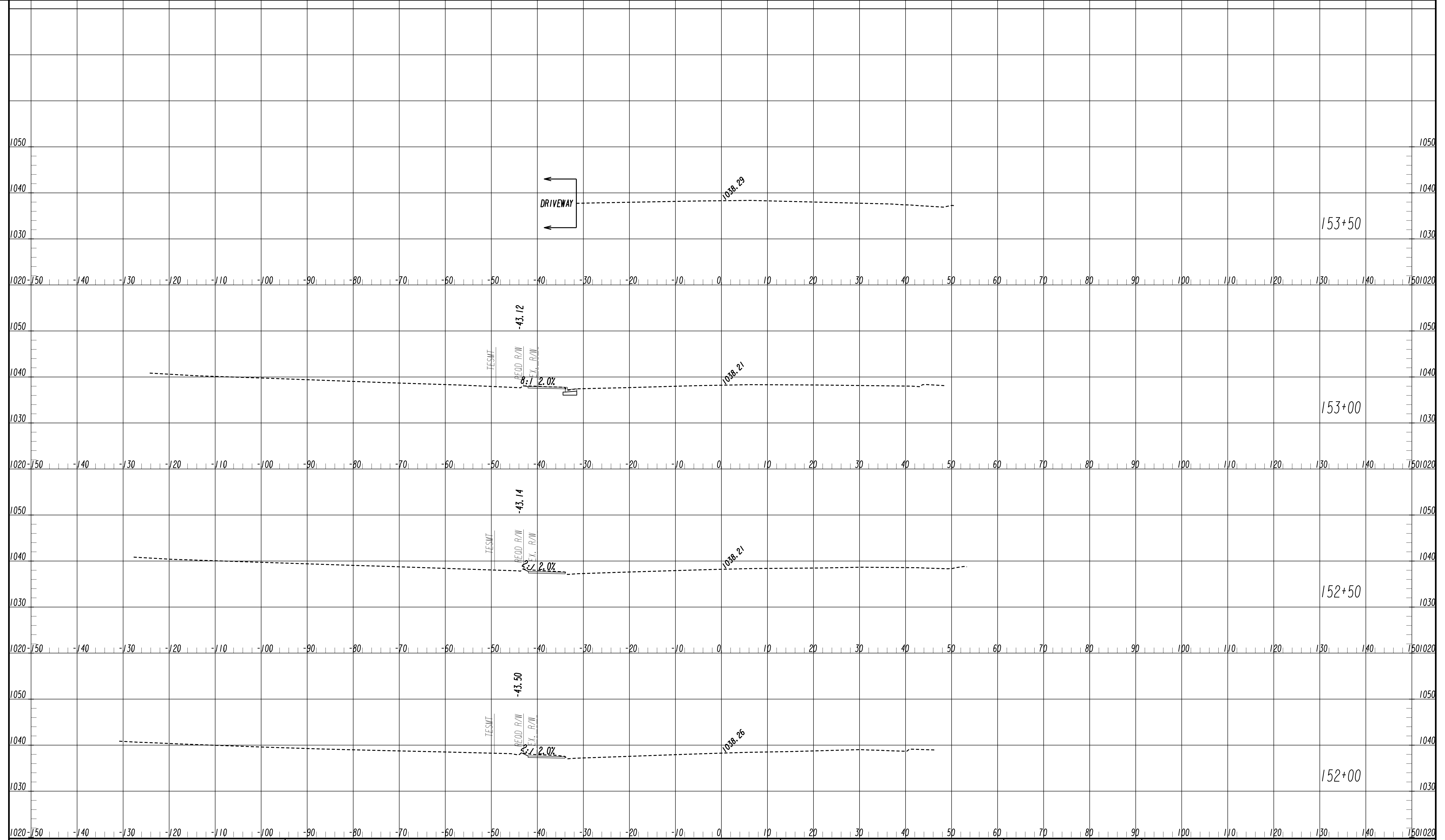
1" = 10' HORIZ.  
1" = 10' VERT.

REVISION DATES

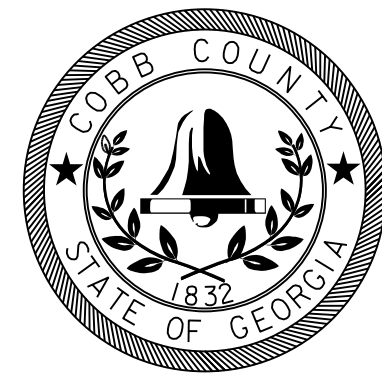
NO.	DATE	DESCRIPTION

CROSS SECTIONS  
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0006</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



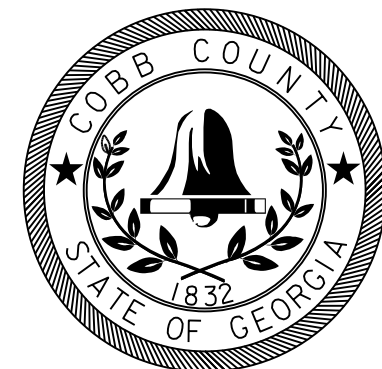
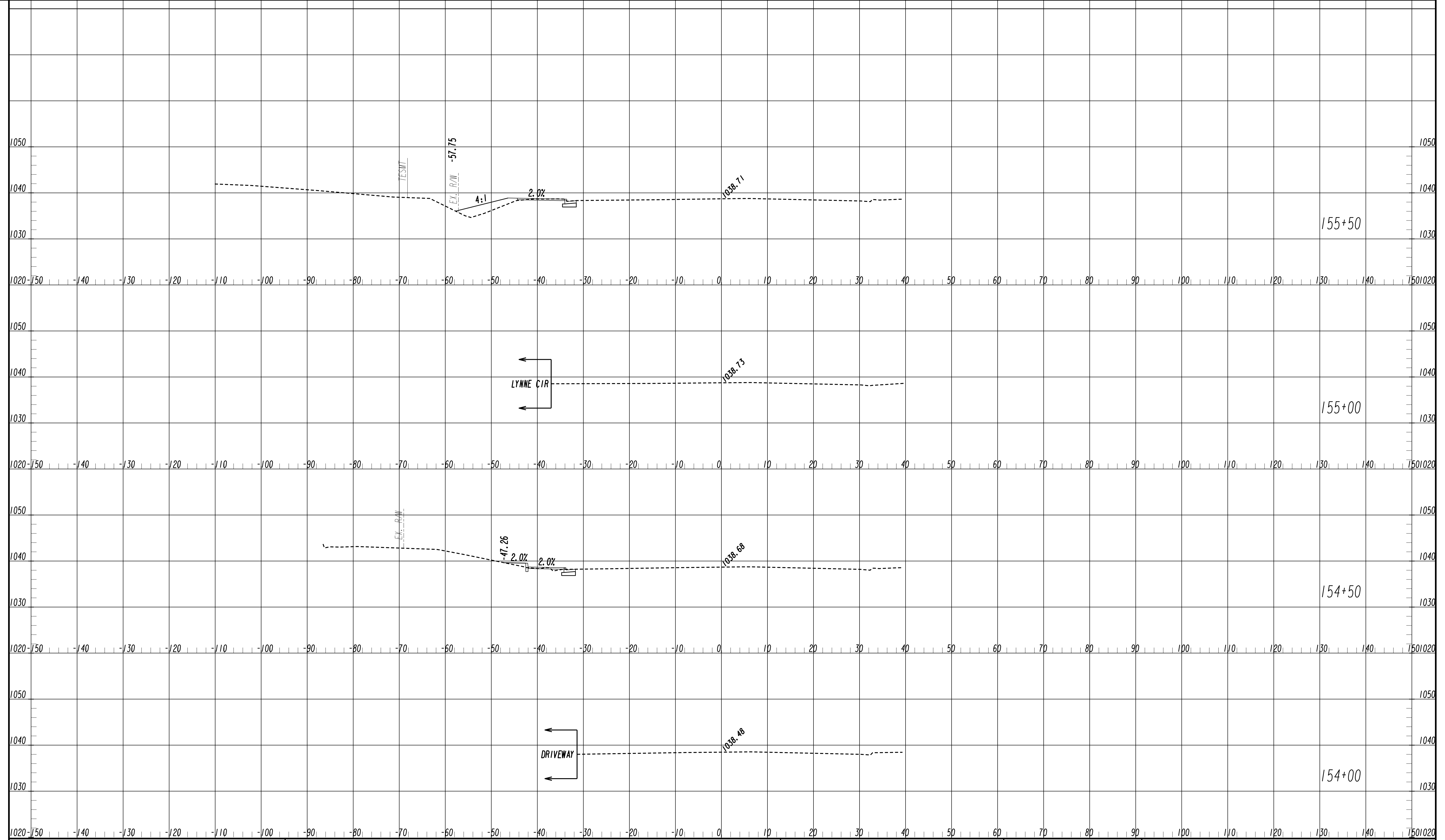
PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

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

REVISION DATES	

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 1 I

CHECKED:	DATE:	DRAWING No. <b>23-0007</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

*Shawn Griffin*  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422

2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

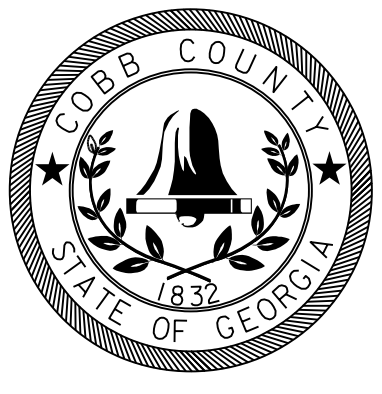
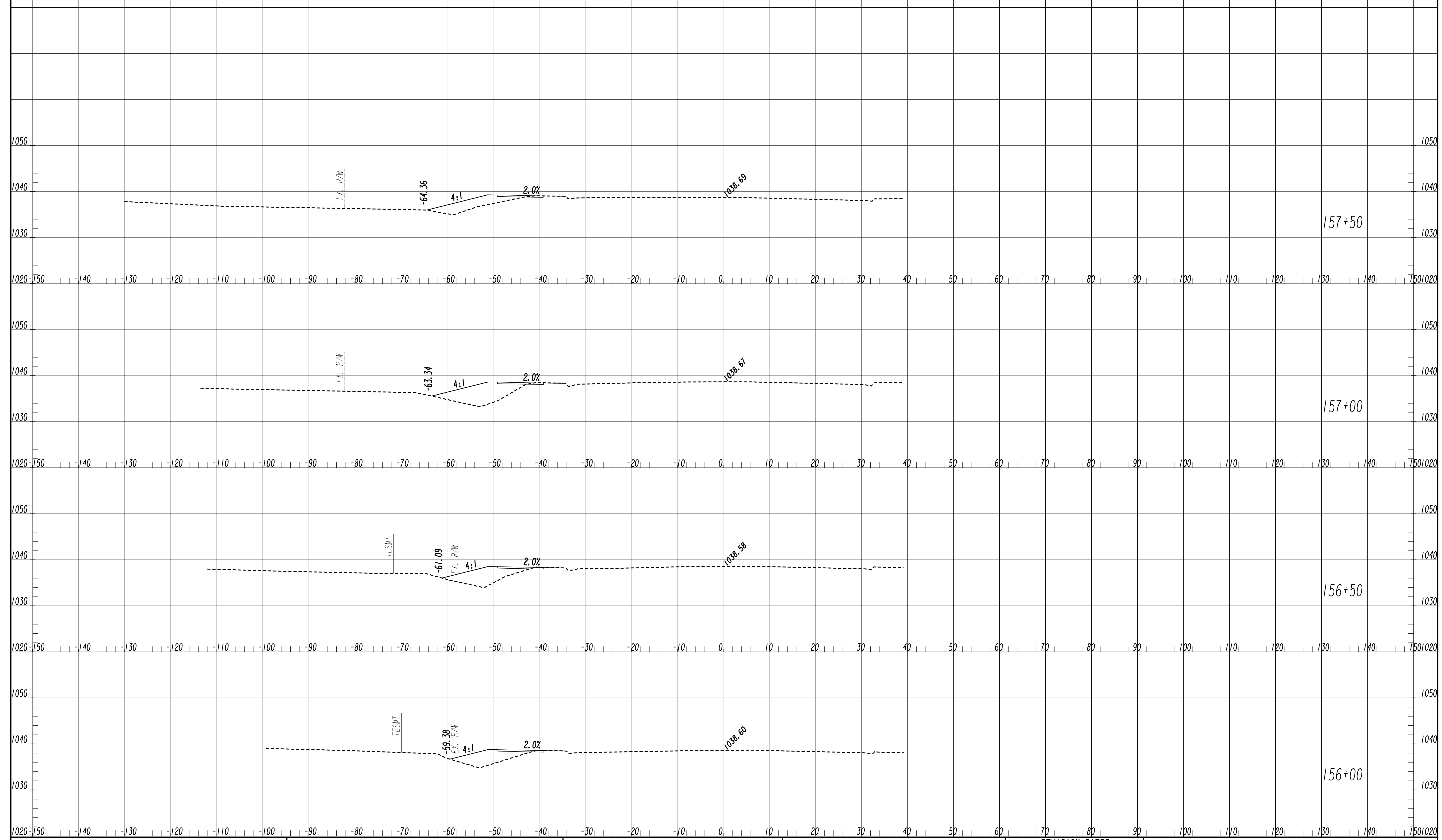
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES

NO.	DATE	DESCRIPTION

CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0008</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

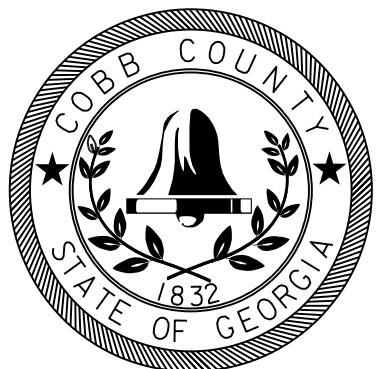
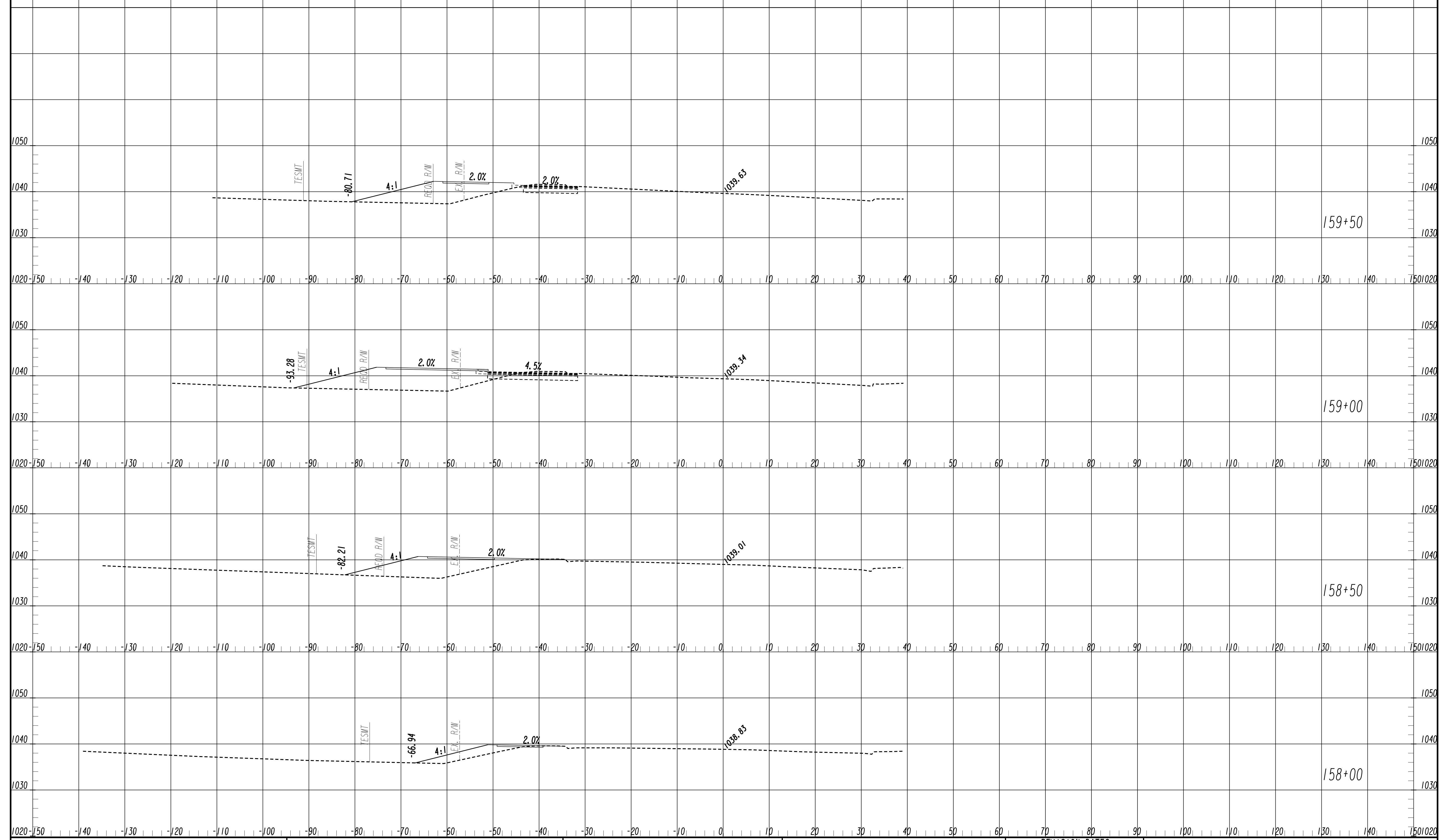
PROFESSIONAL ENGINEERING

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

REVISION DATES	

**CROSS SECTIONS**  
MABLETON PKWY TRAIL, PHASE 1 I

CHECKED:	DATE:	DRAWING No. <b>23-0009</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI** design office

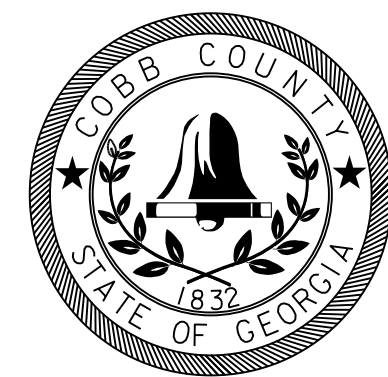
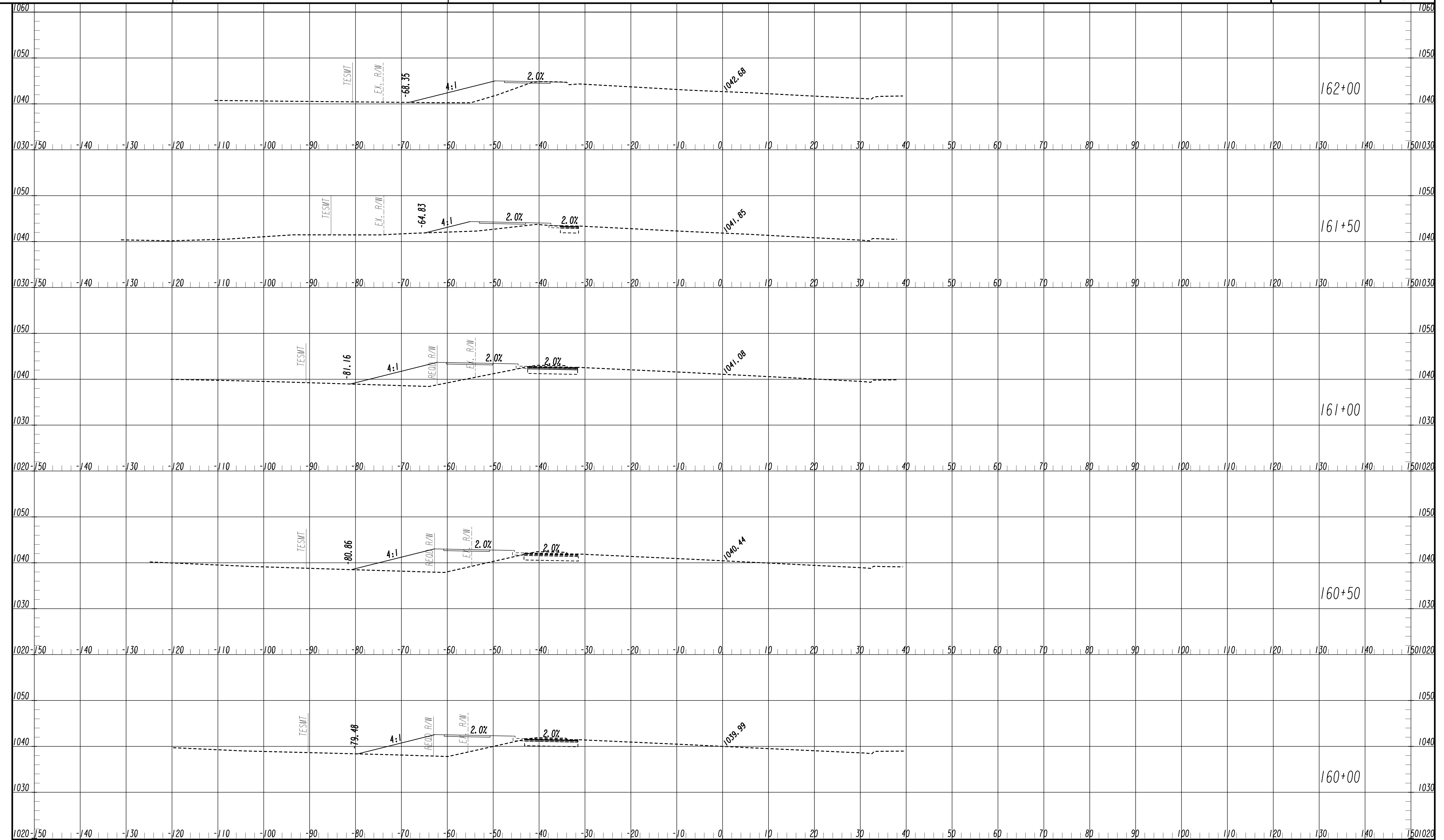
65 Aberdeen Drive, Chicago, KY 42041  
 560 Acworth Landing Drive, Acworth, GA 30011  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 (502) 345-3813

AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

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

REVISION DATES		CROSS SECTIONS	
		MABLETON PKWY TRAIL, PHASE II	
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0010
CORRECTED:		DATE:	
VERIFIED:		DATE:	





PLANS PREPARED AND SUBMITTED BY:

**AEI** American Engineers, Inc.

65 Aberdeen Drive  
Chicago, KY 42041  
(502) 631-1220

560 Acworth Landing Drive  
Acworth, GA 30011  
(770) 421-8422

2500 Nelson Miller Parkway  
Louisville, KY 40223  
(502) 345-3813

DESIGN CONSULTANT

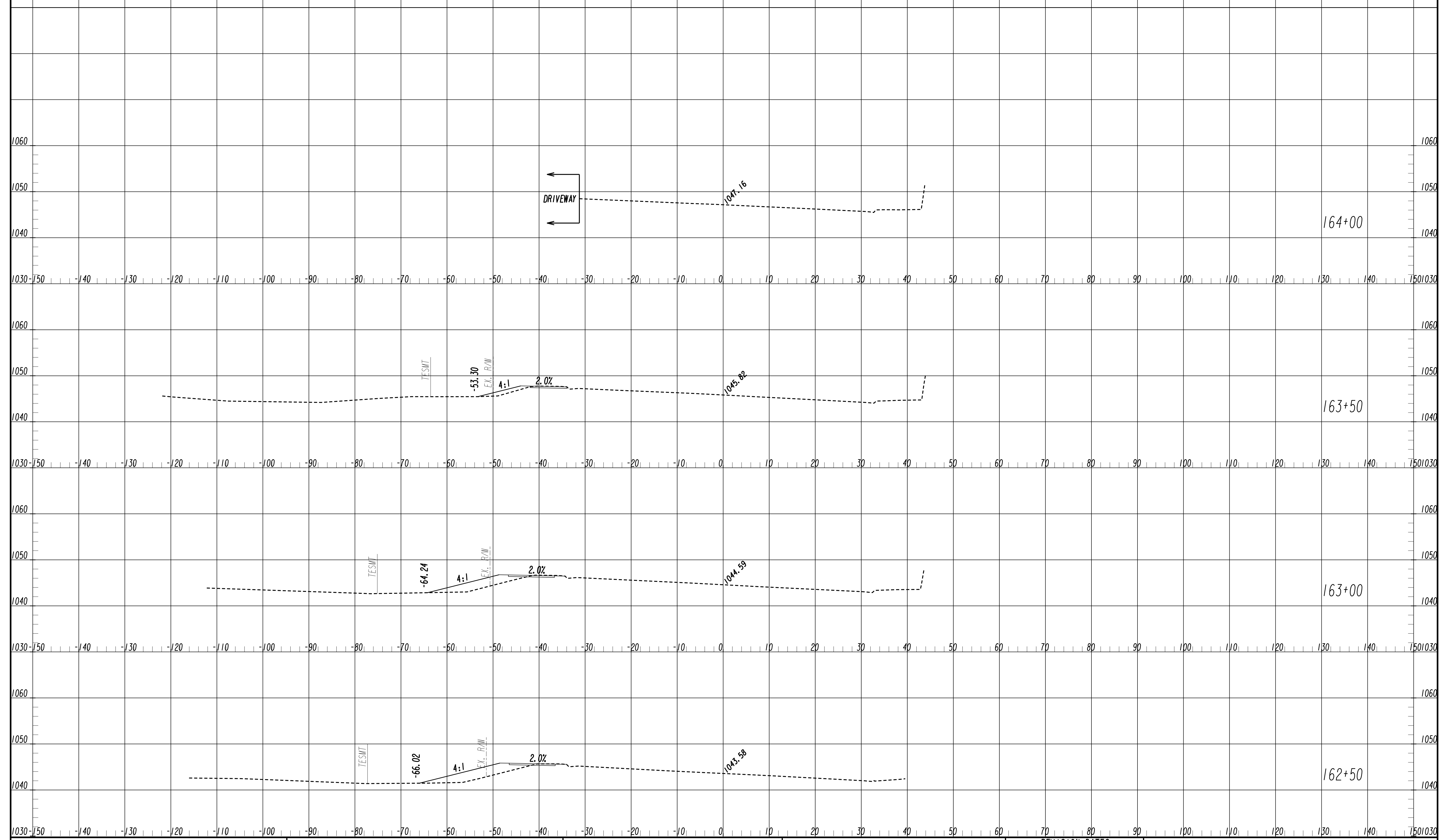
1" = 10' HORIZ.  
1" = 10' VERT.

REVISION DATES

NO.	DATE	DESCRIPTION

**CROSS SECTIONS**  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>23-0011</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-8422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

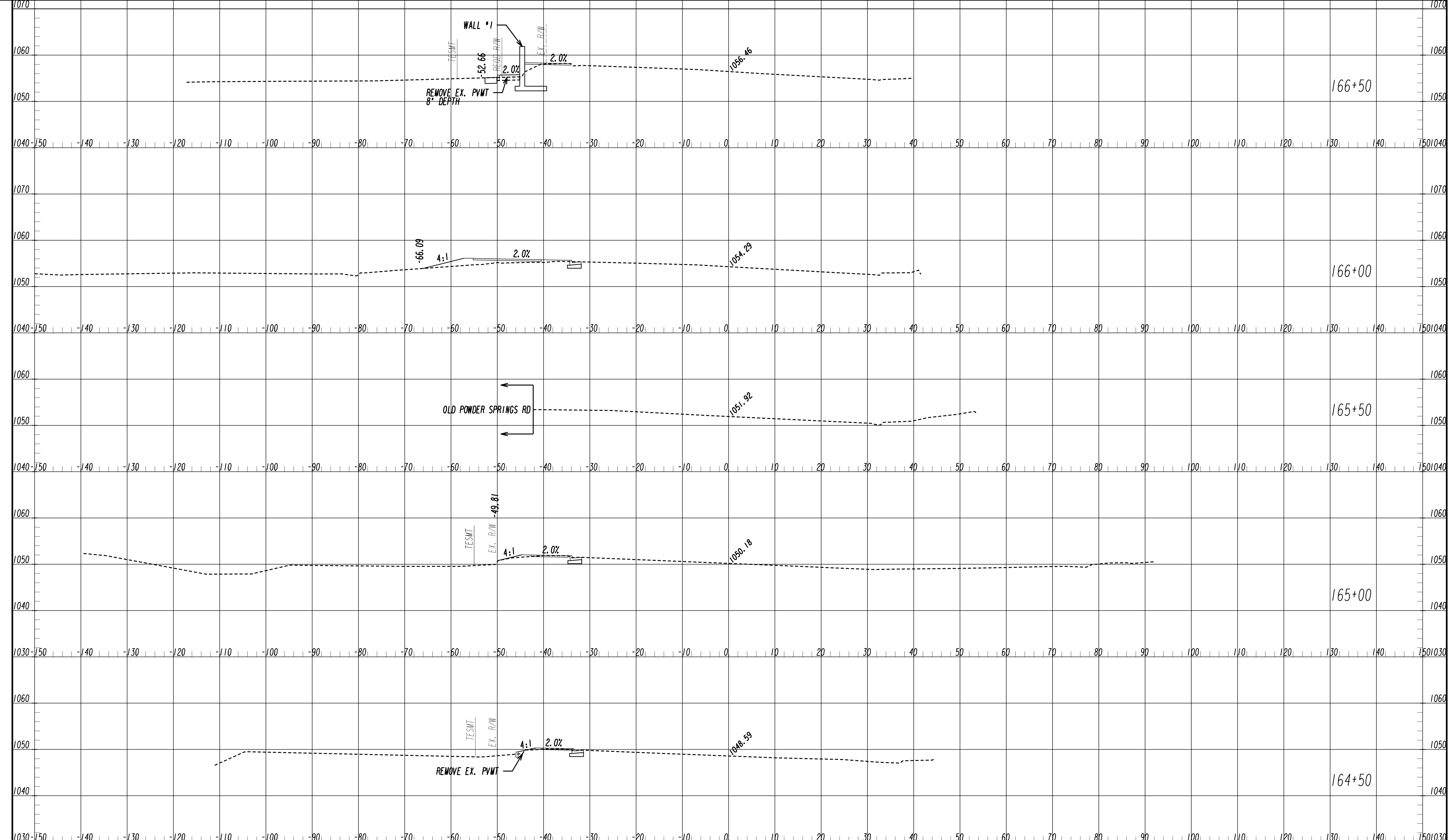
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES

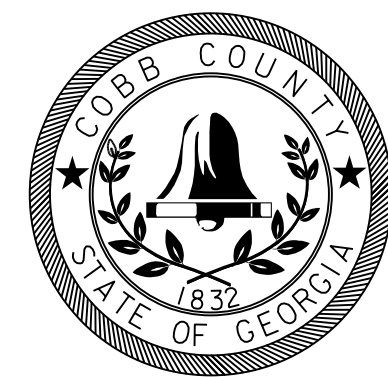
NO.	DATE	DESCRIPTION

CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0012</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



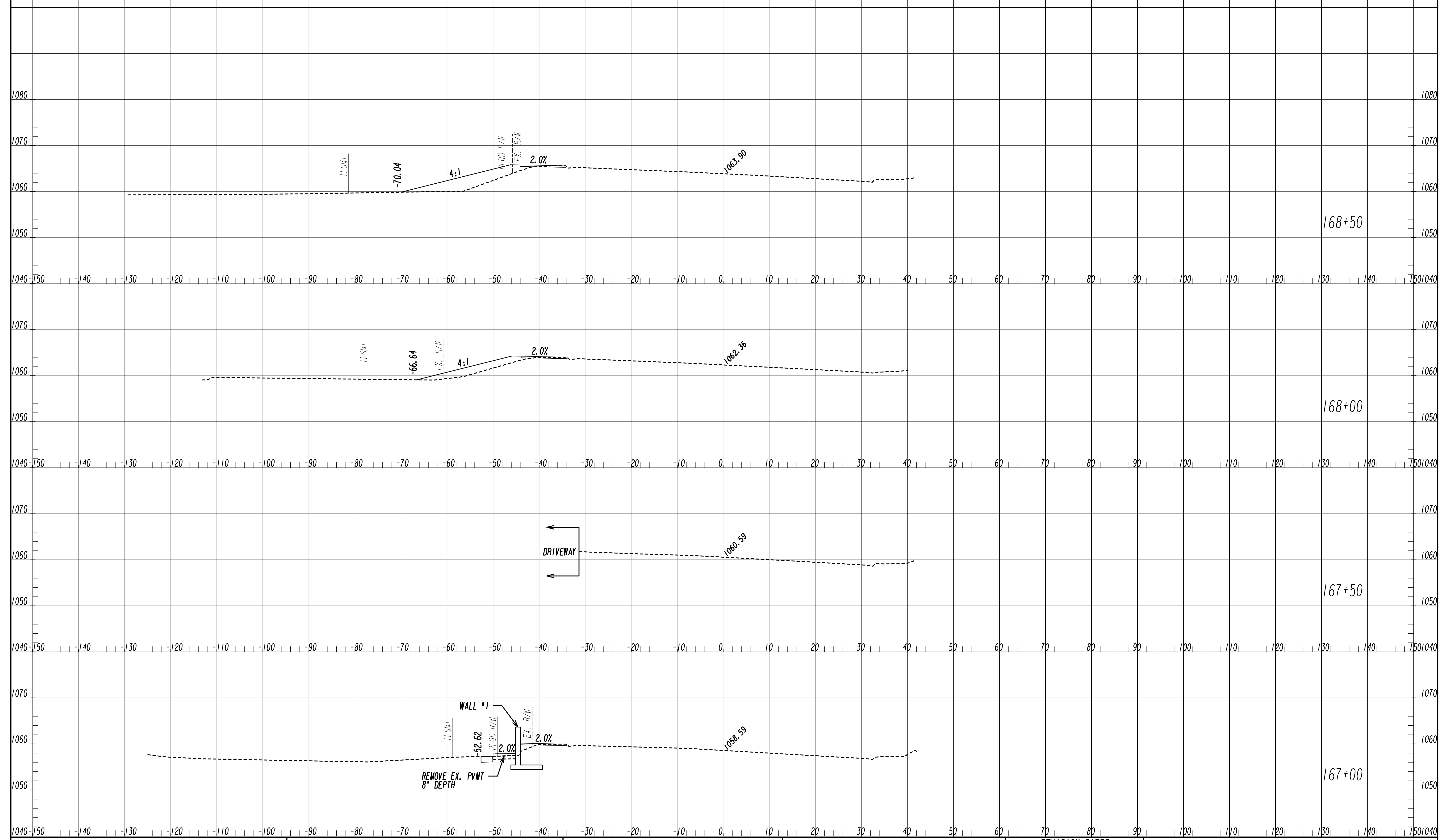
PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

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

REVISION DATES	

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>23-0013</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

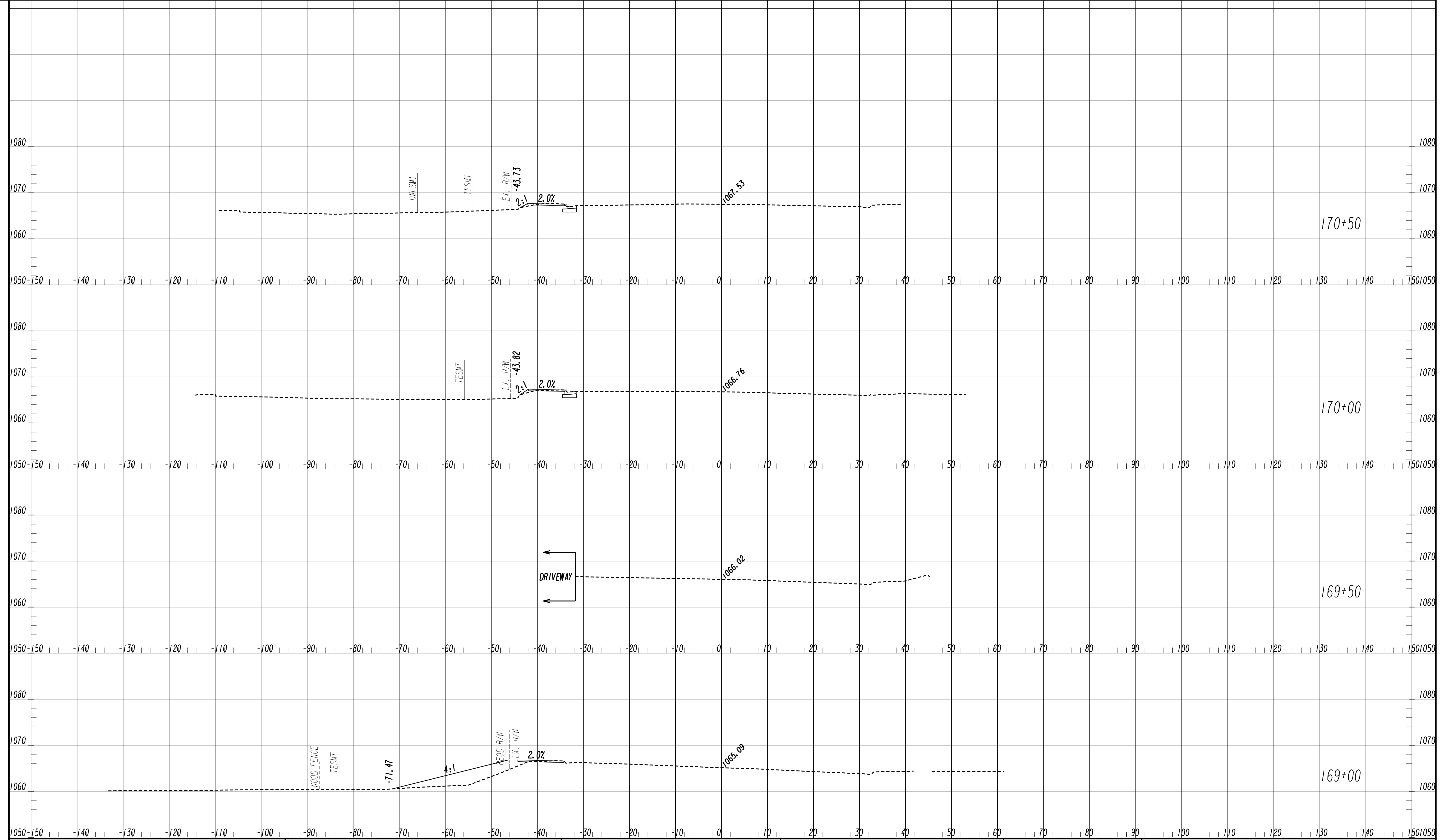
Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

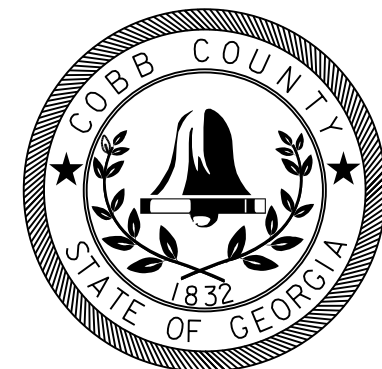
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0014



11/8/2008 SUXSEW

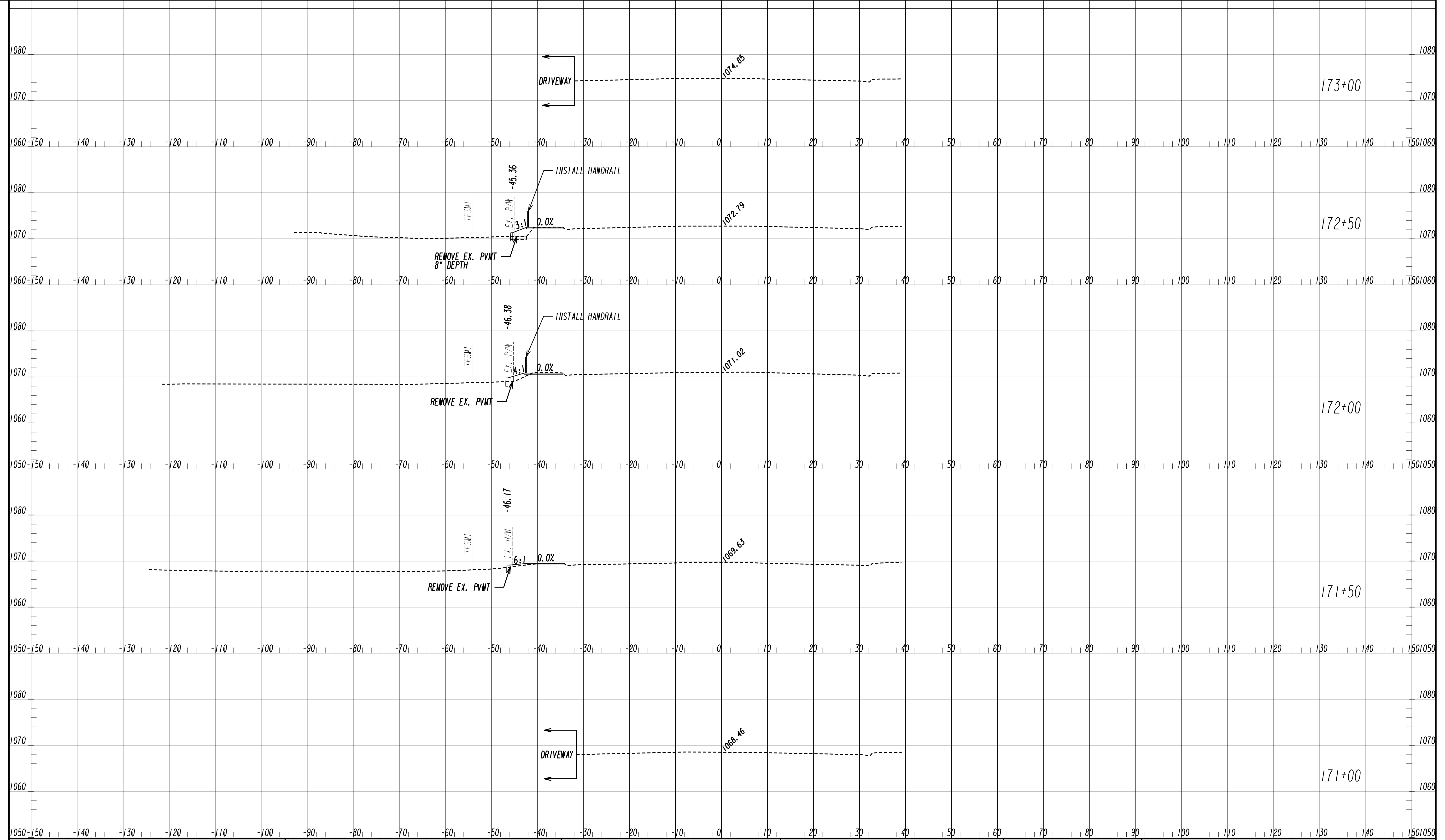


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

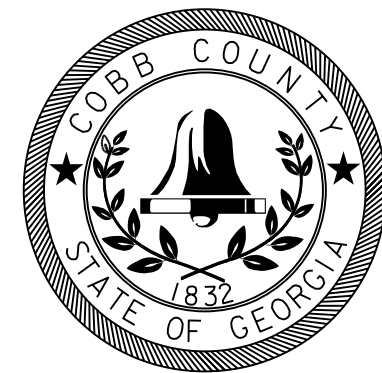
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0015



11/8/2008 SUXSEW

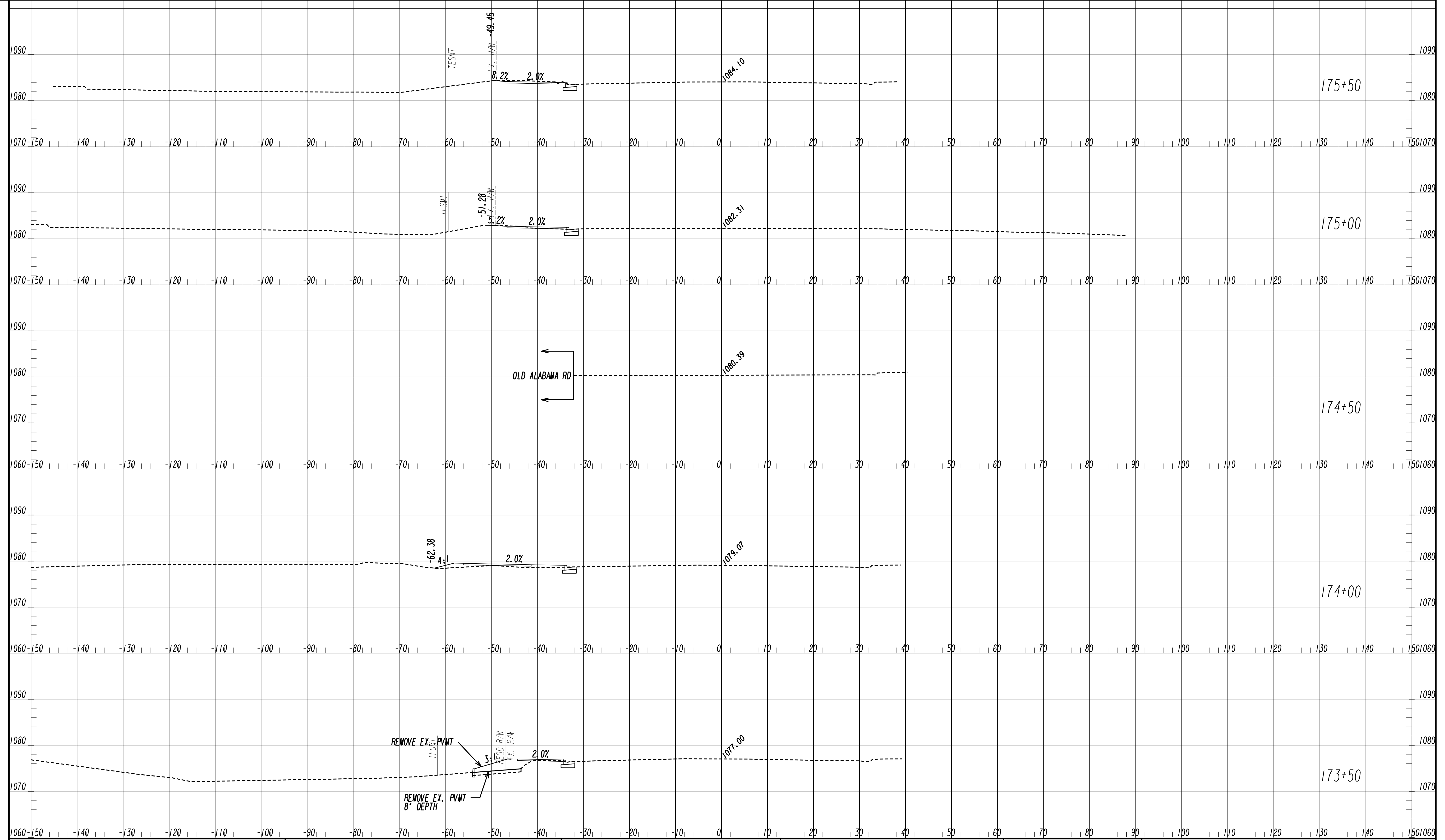


PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

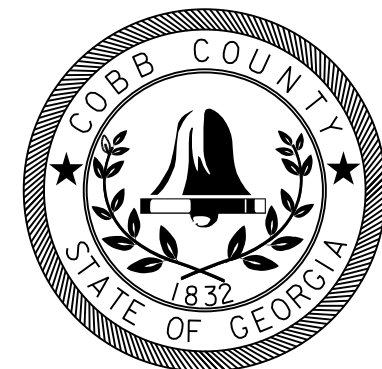
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0016



11/8/2008 SUXSEW

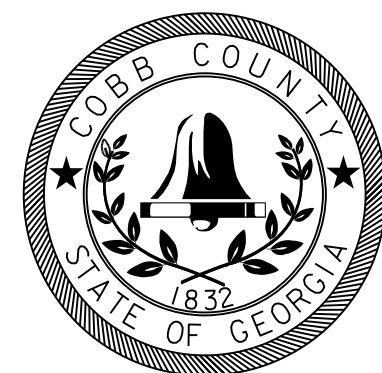
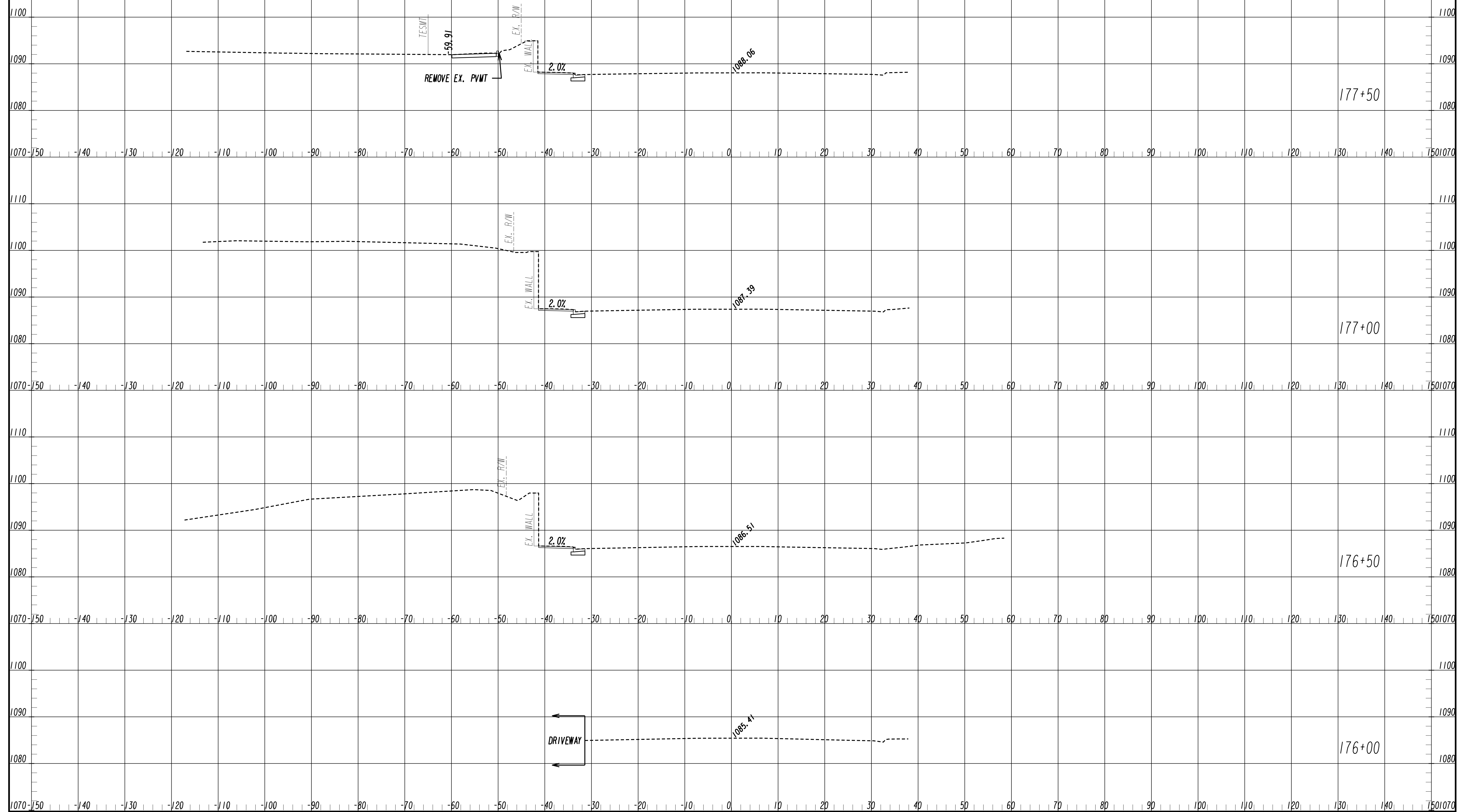


PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
 AEI  
 65 Aberdeen Drive, Glasgow, KY 42048  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 560 Acworth Landing Drive, Acworth, GA 30001  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

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

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-0017	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT  
 OFFICES:  
 65 Aberdeen Drive, Glasgow, KY 42048  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 960 Acworth Landing Drive, Acworth, GA 30001  
 (770) 421-9422

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

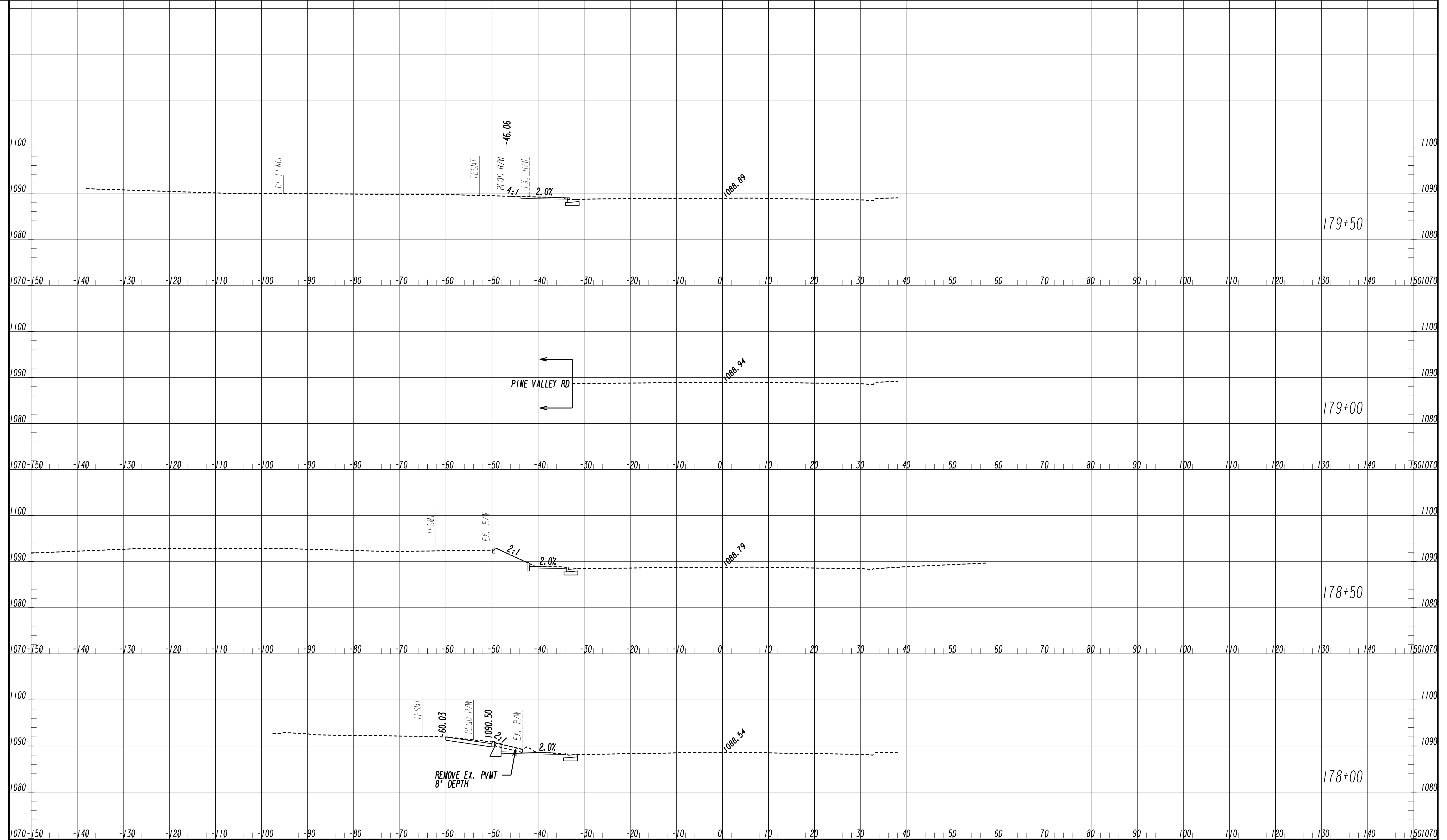
REVISION DATES

NO.	DATE	DESCRIPTION

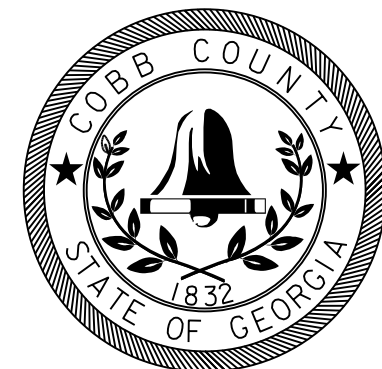
CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0018</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

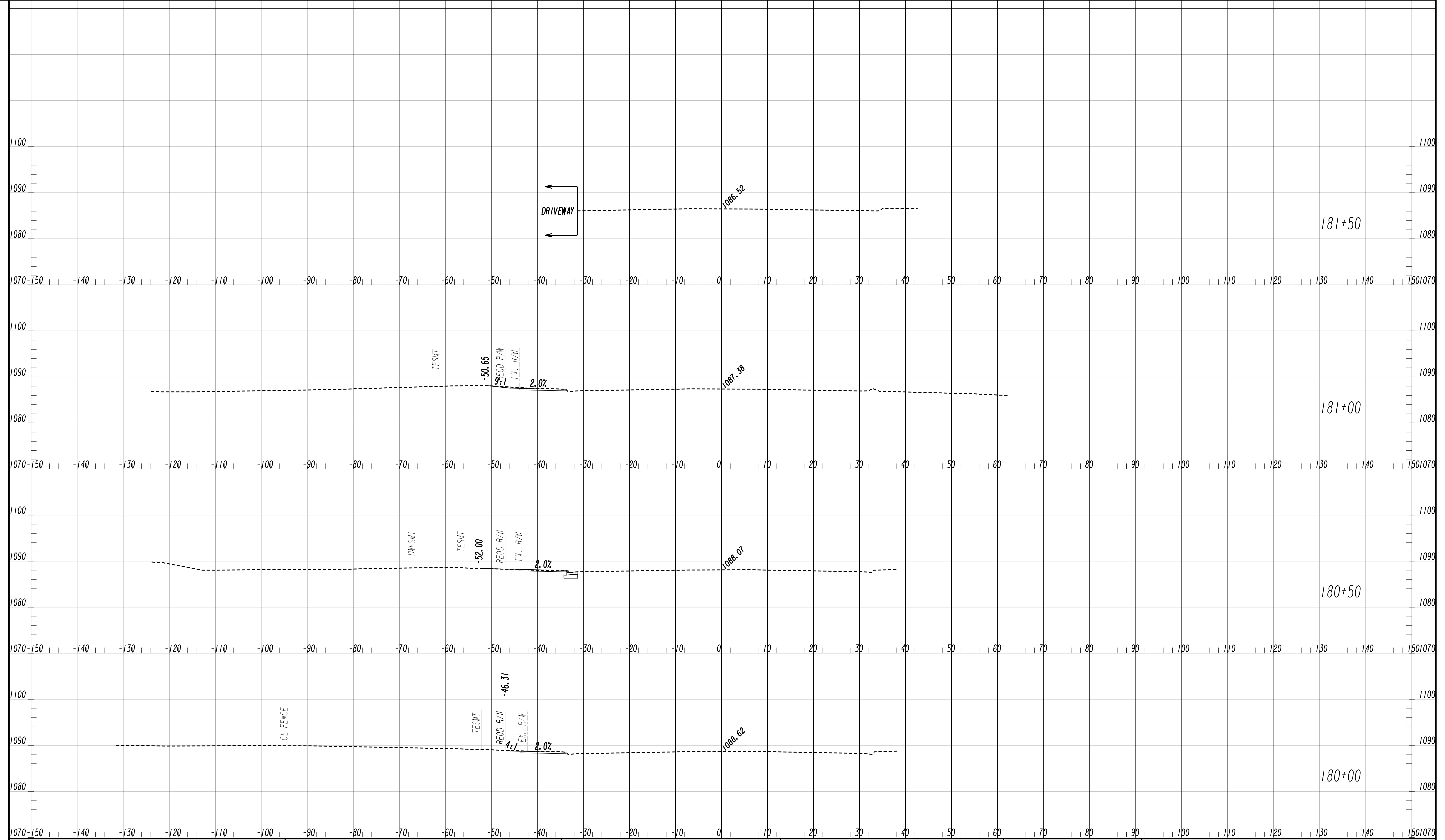
Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42041  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

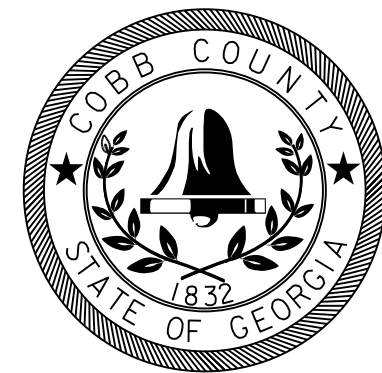
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0019



11/8/2008 SUXSEW



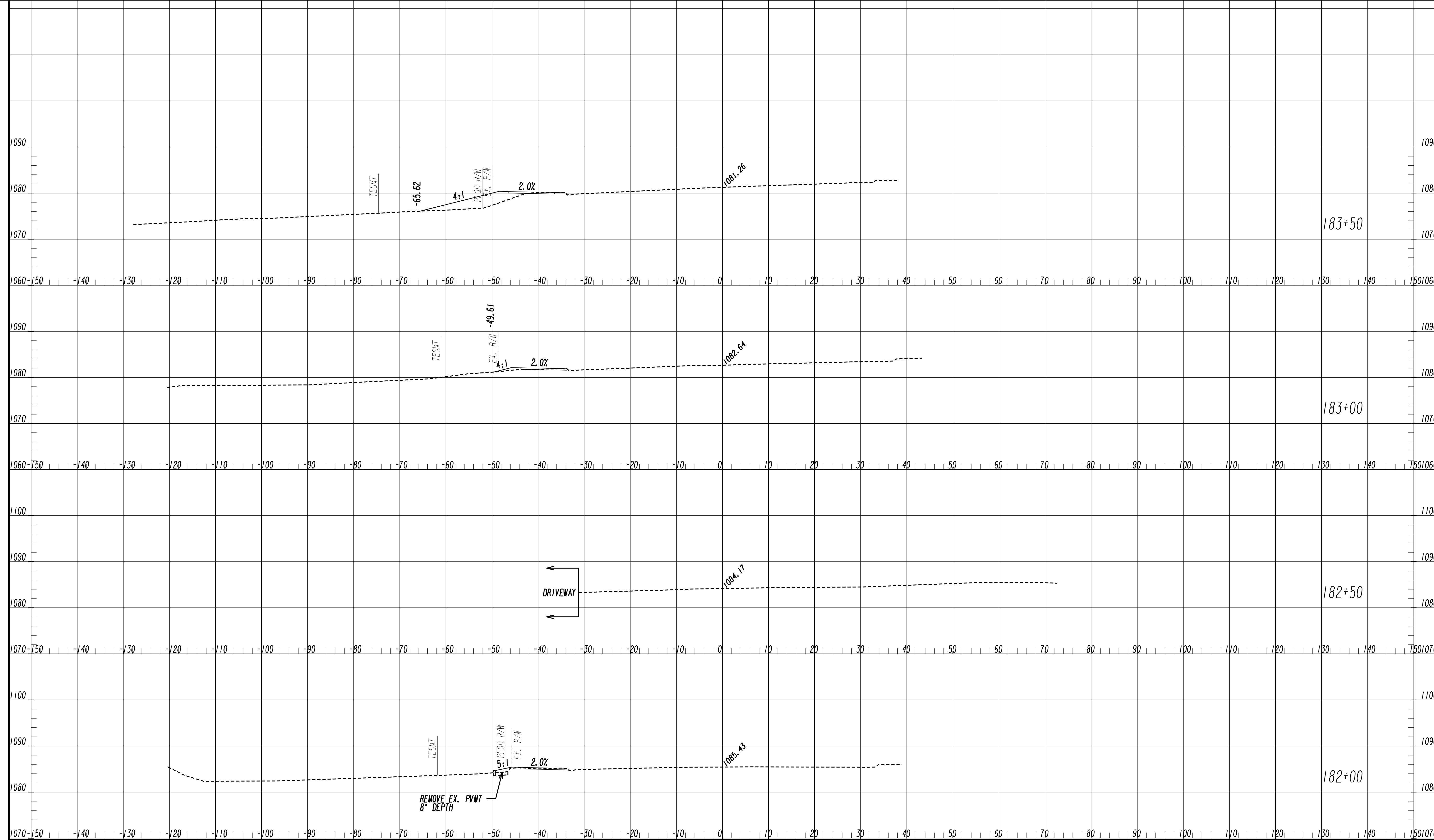
PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

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

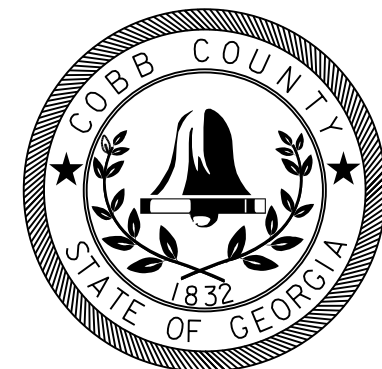
REVISION DATES	

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>23-0020</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DRIVEWAY



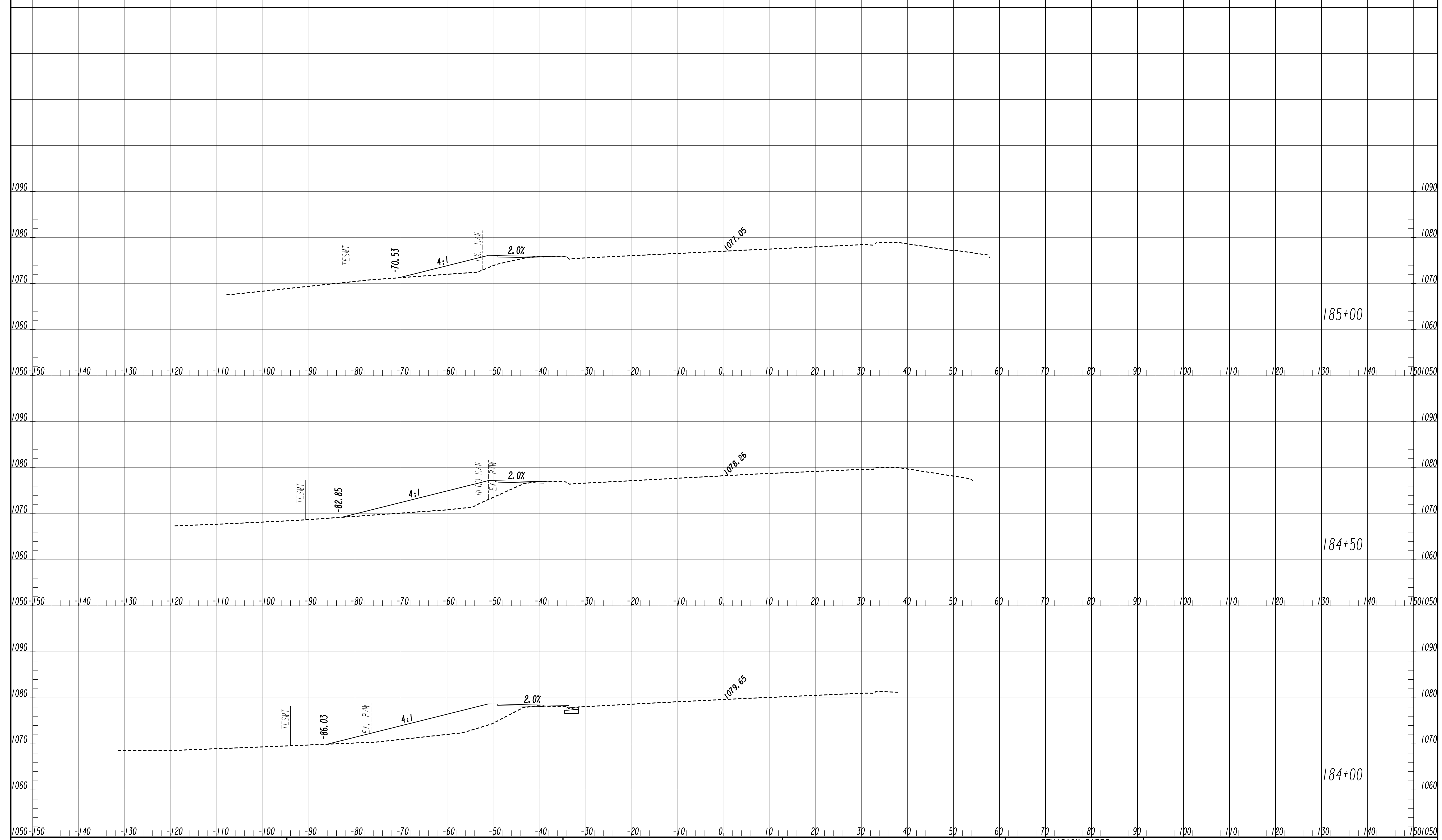
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

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

REVISION DATES

CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. 23-0021
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW

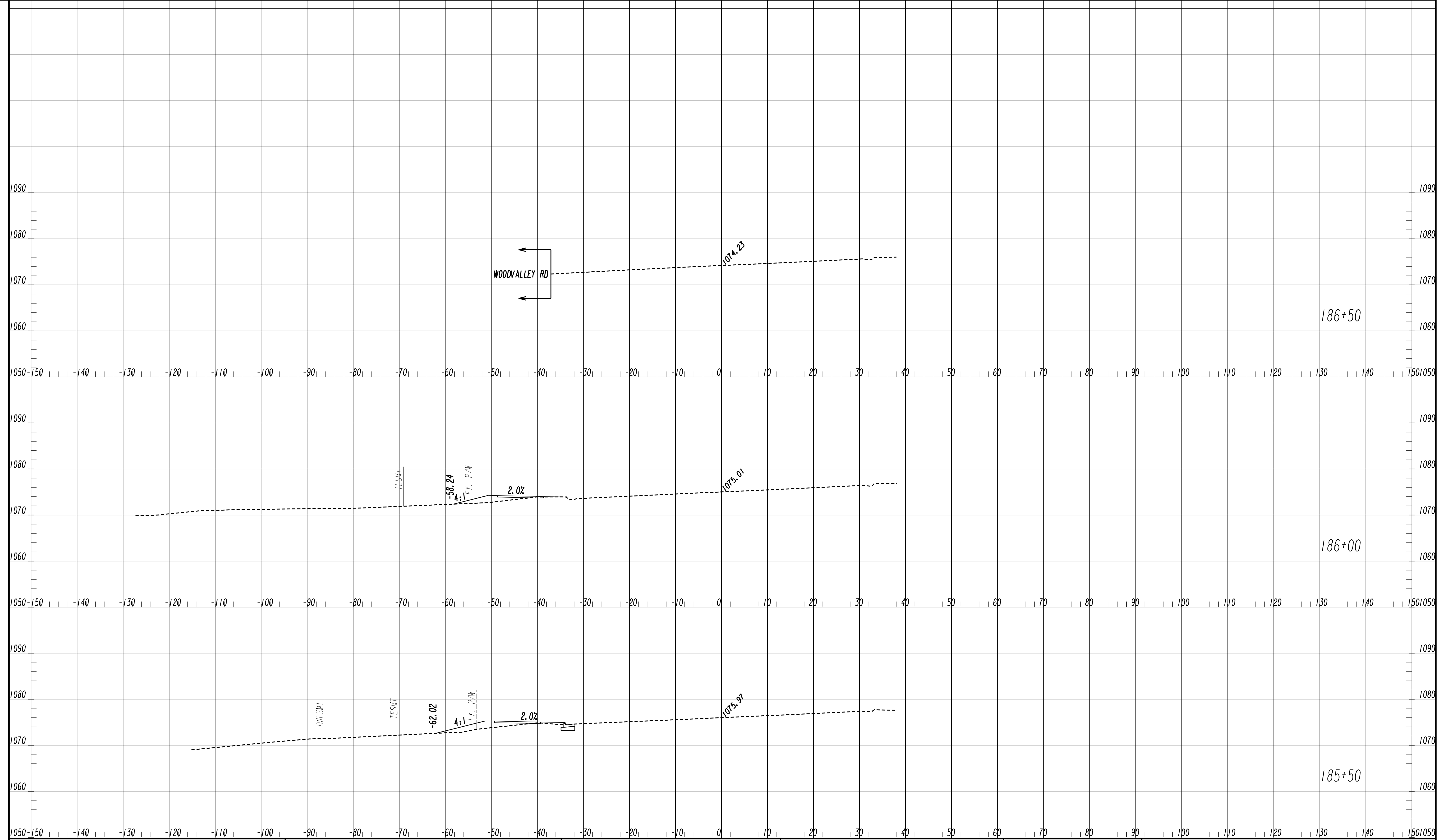


PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

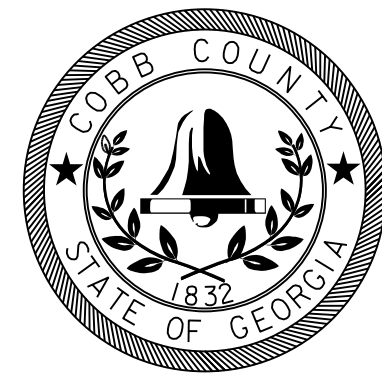
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0022



11/8/2008 SUXSEW

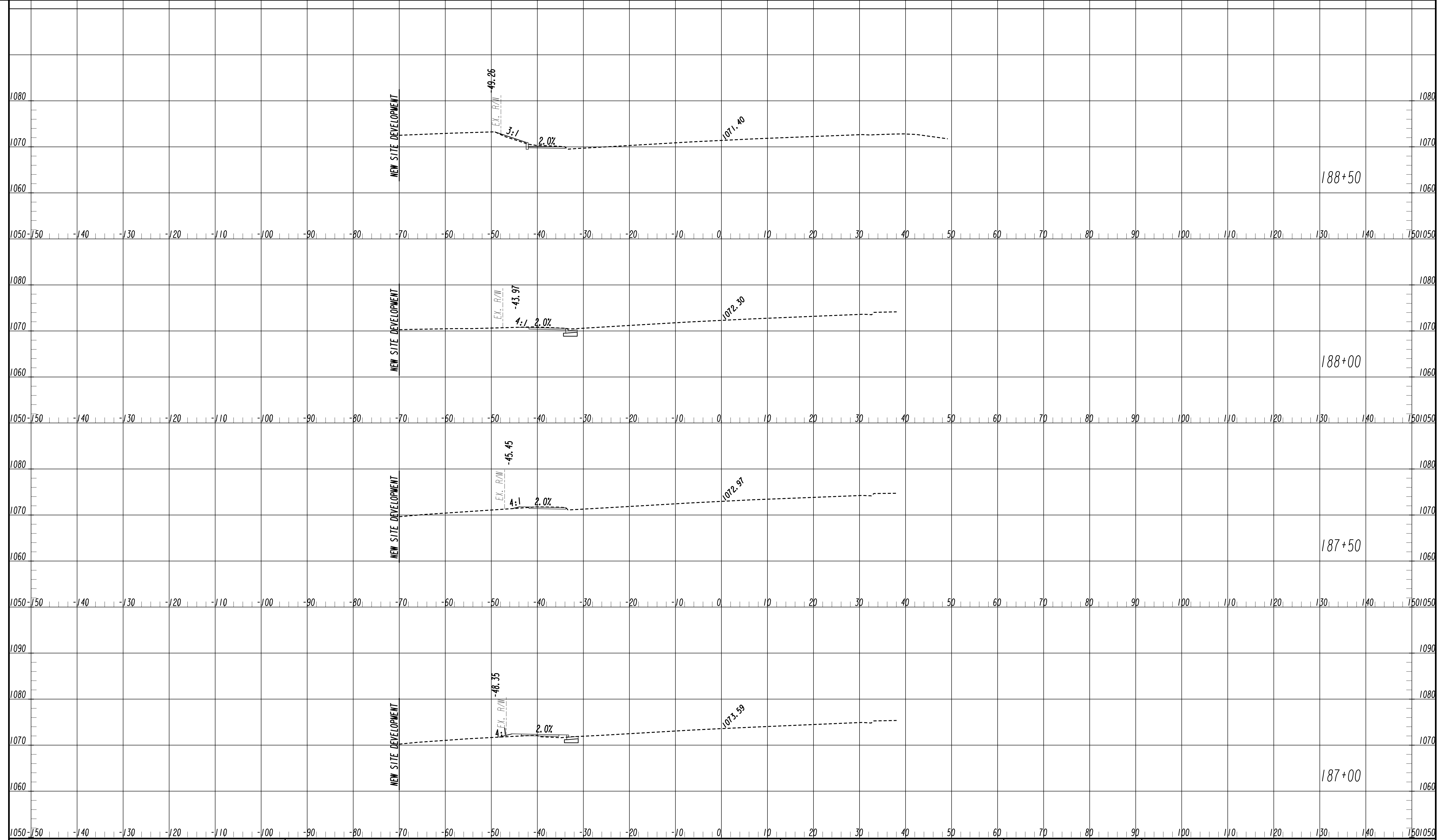


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

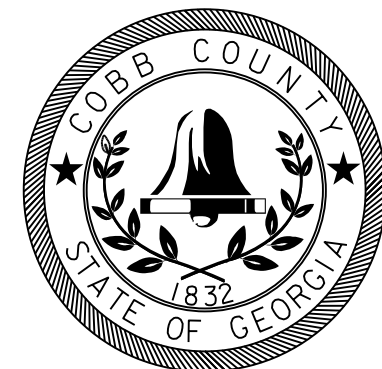
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0023



11/8/2008 SUXSEW

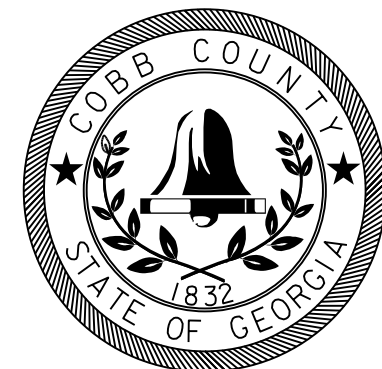
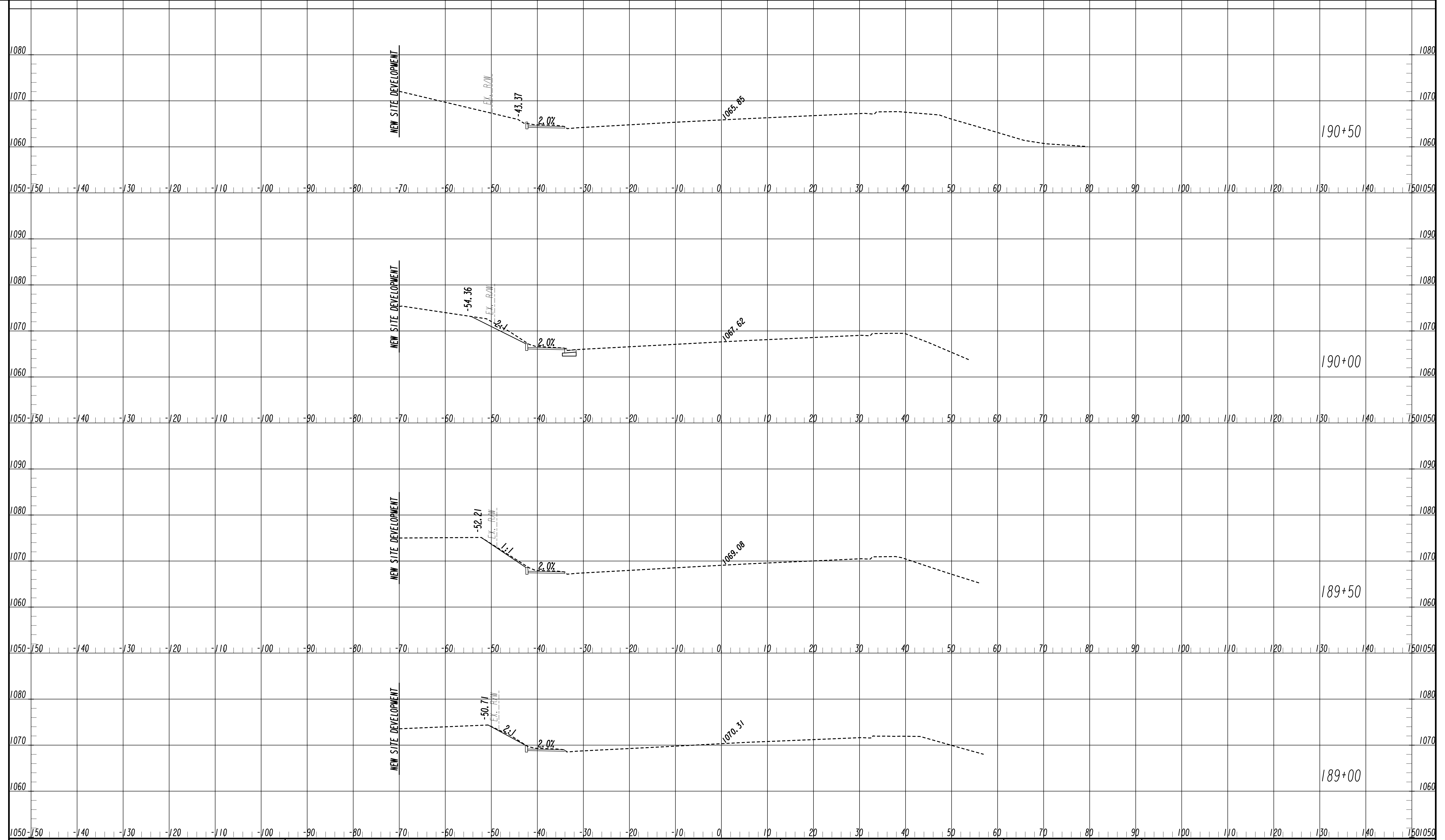


PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING

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

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	23-0024	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



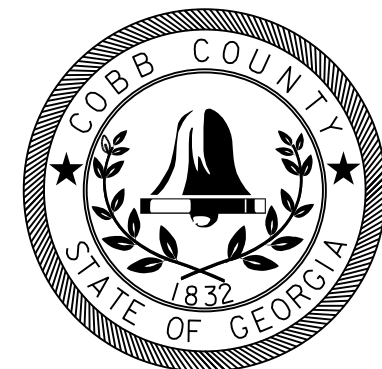
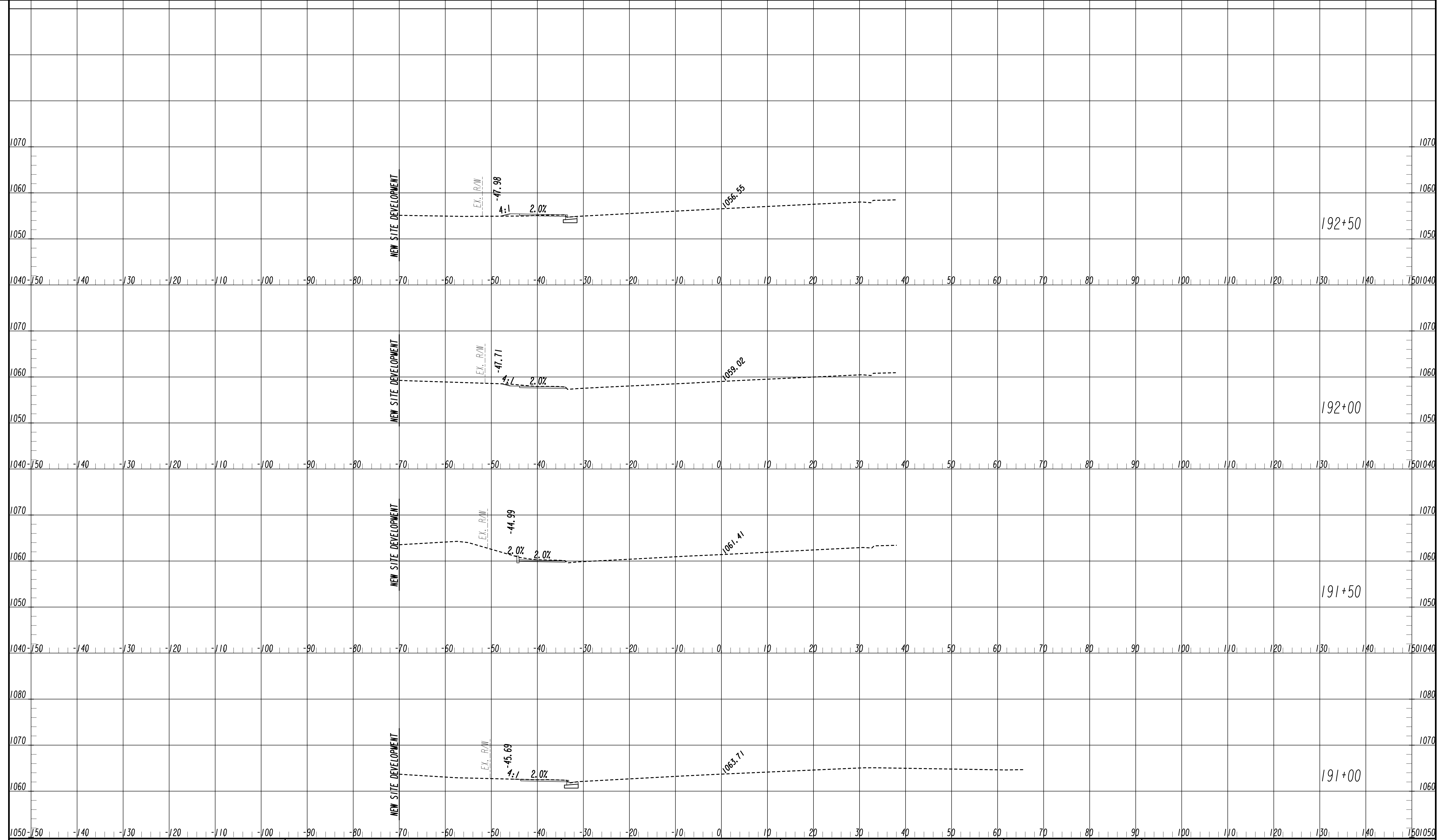
PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING

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

REVISION DATES


**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 1 I

CHECKED:	DATE:	DRAWING No. <b>23-0025</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI** American Engineers, Inc.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

OFFICES:  
 65 Aberdeen Drive, Glasgow, KY 42048  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 960 Acworth Landing Drive, Acworth, GA 30001  
 1700 42nd Street, Louisville, KY 40202

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

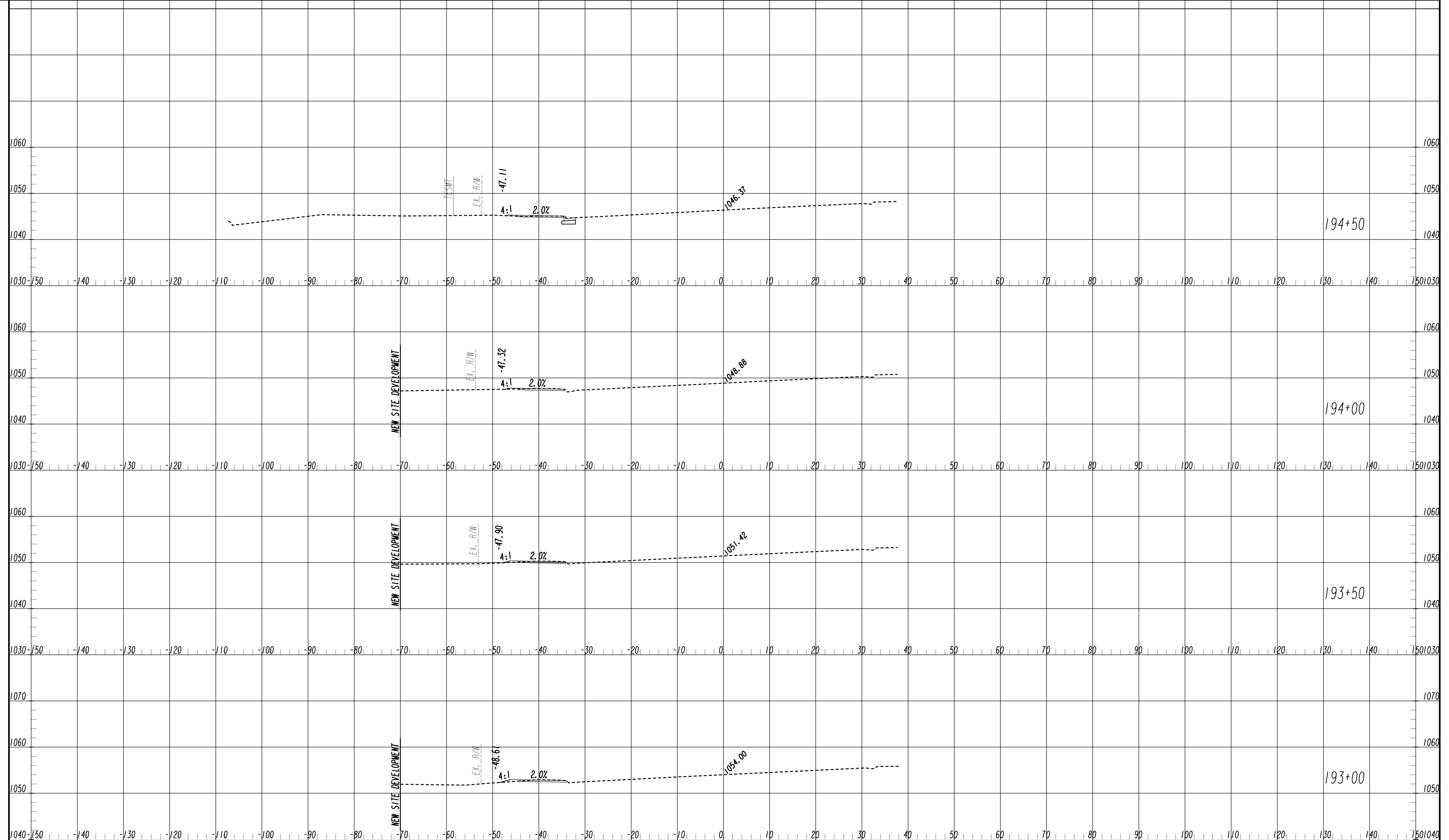
REVISION DATES

NO.	DATE	DESCRIPTION

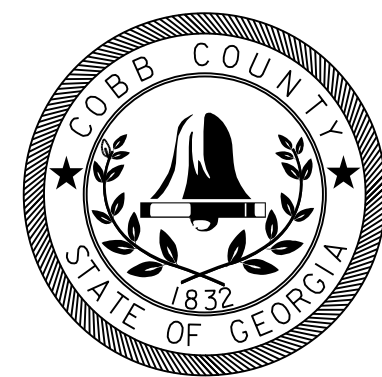
CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. 23-0026
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

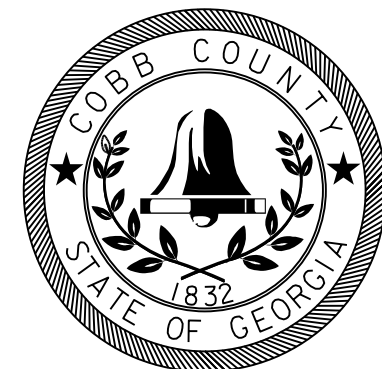
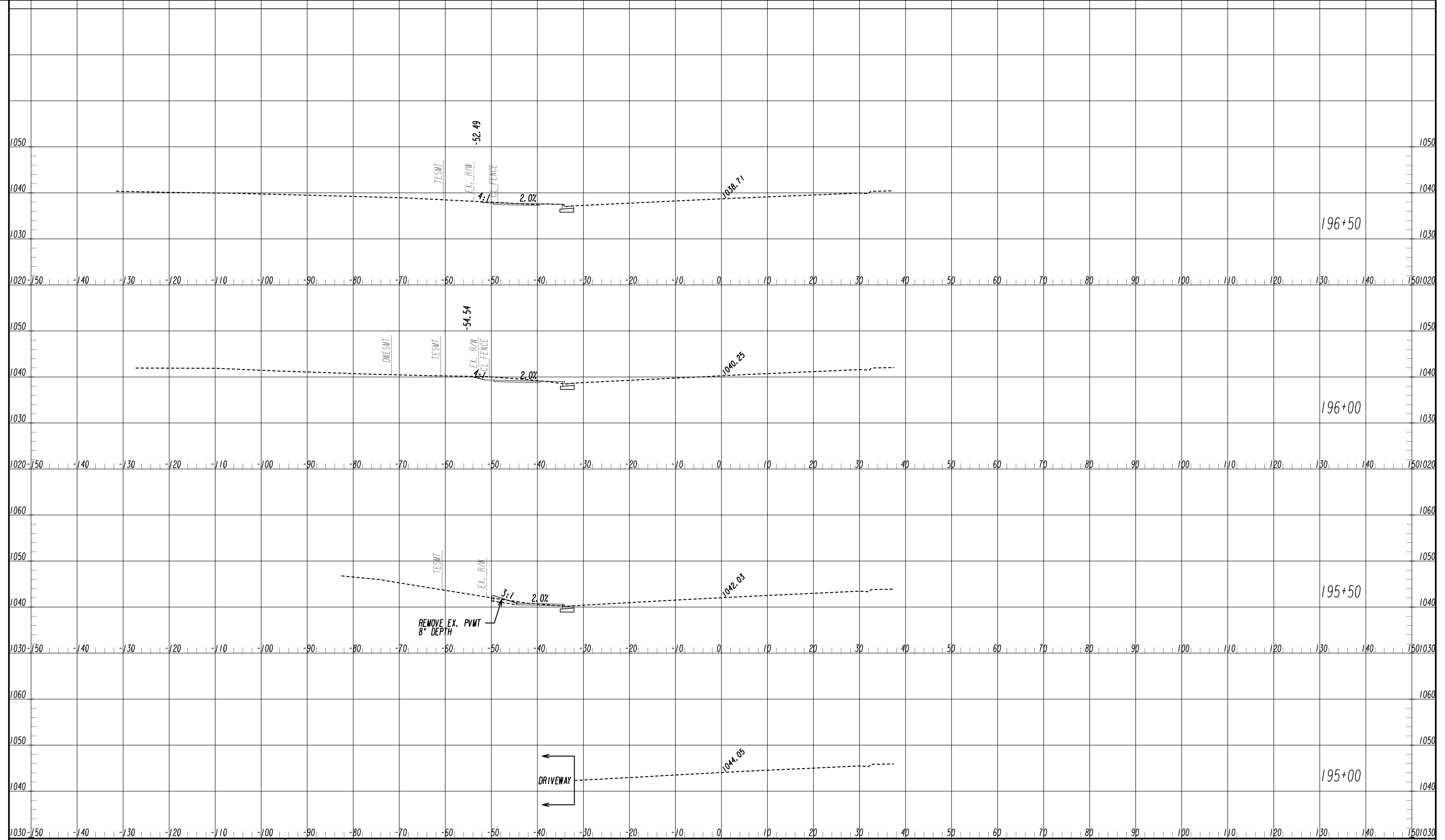
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES

NO.	DATE	DESCRIPTION

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0027</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

Offices:  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422

PROFESSIONAL ENGINEERING

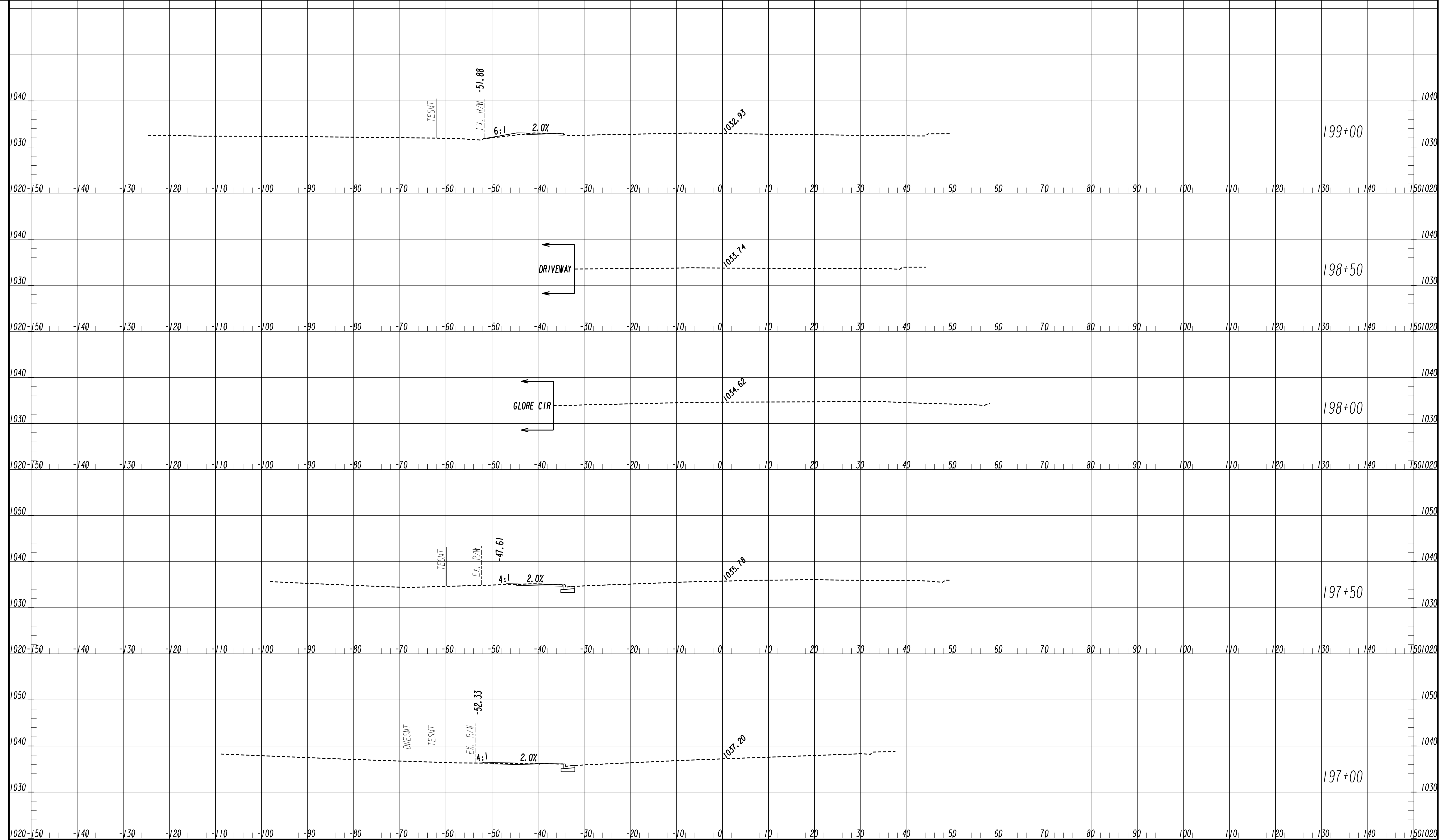
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES

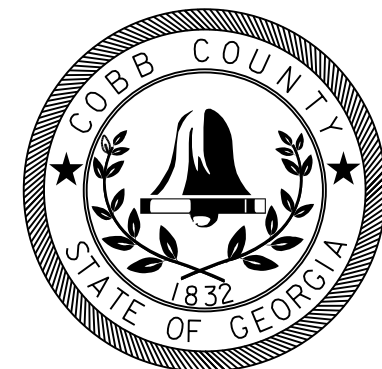
NO.	DATE	DESCRIPTION

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0028</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

65 Aberdeen Drive  
 Glasgow, KY 42048  
 (502) 651-1220  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-8422

PROFESSIONAL ENGINEERING

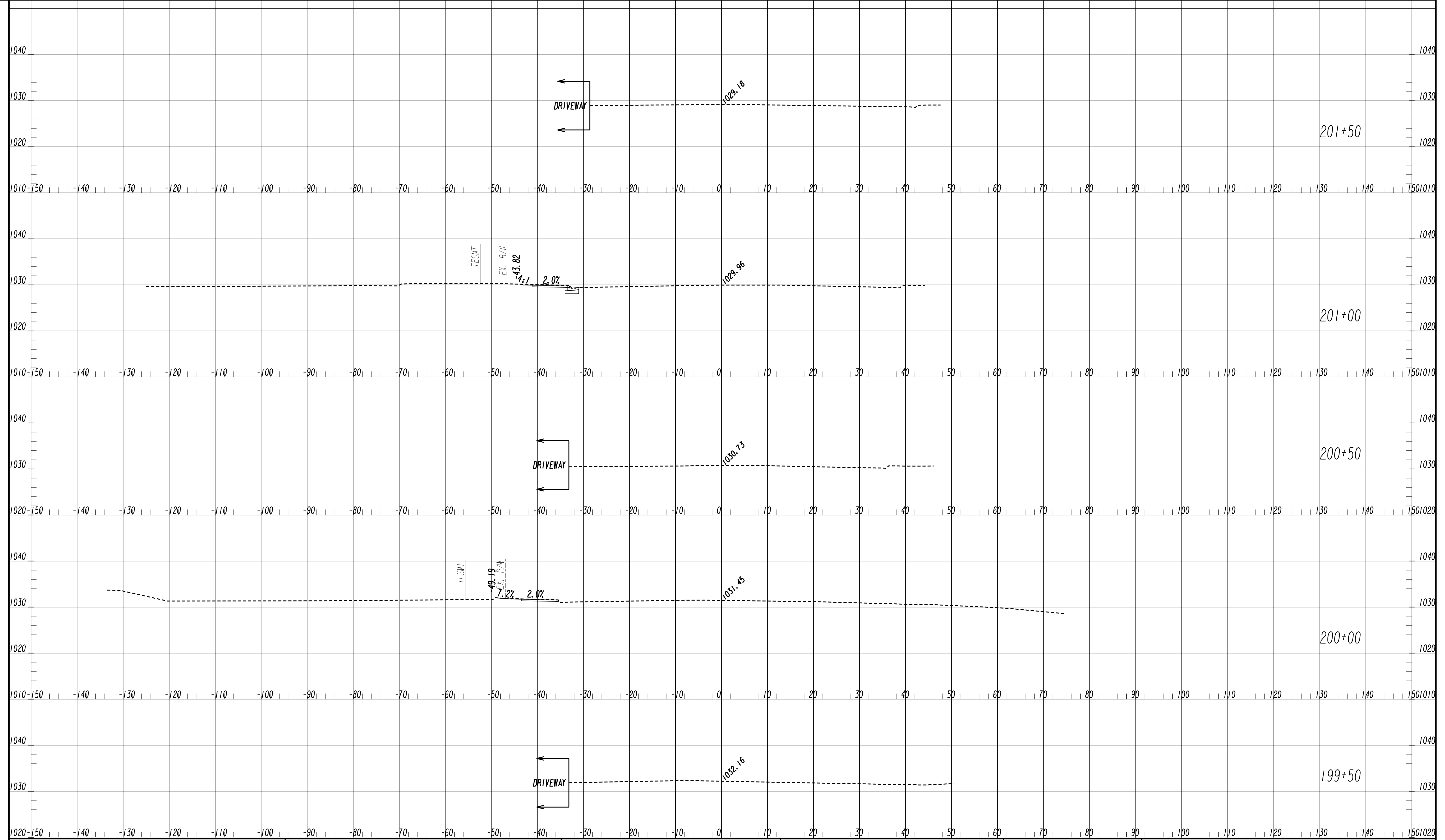
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES

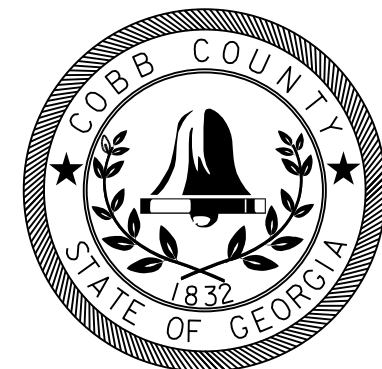
NO.	DATE	DESCRIPTION

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0029</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



11/8/2008 SUXSEW



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

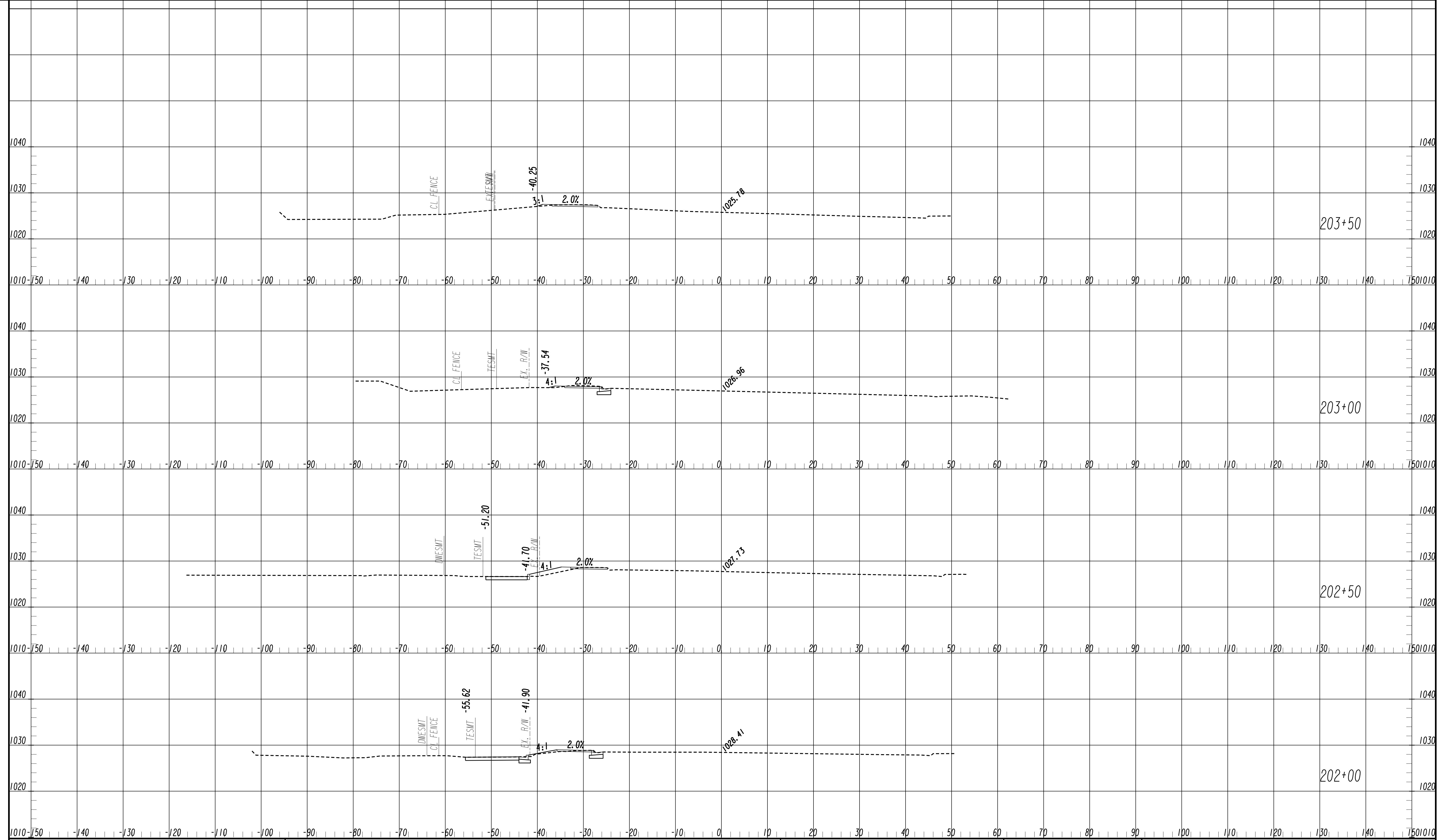
Offices:  
 65 Aberdeen Drive  
 Glasgow, KY 42041  
 (502) 651-1220  
 560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-9422  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

PROFESSIONAL ENGINEERING

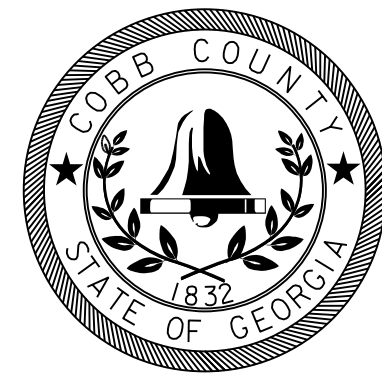
1" = 10' HORIZ.  
 1" = 10' VERT.

REVISION DATES	

CROSS SECTIONS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			23-0030



11/8/2008 SUXSEW



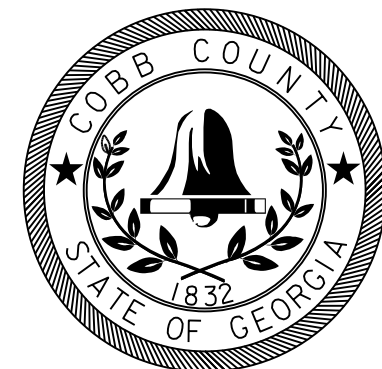
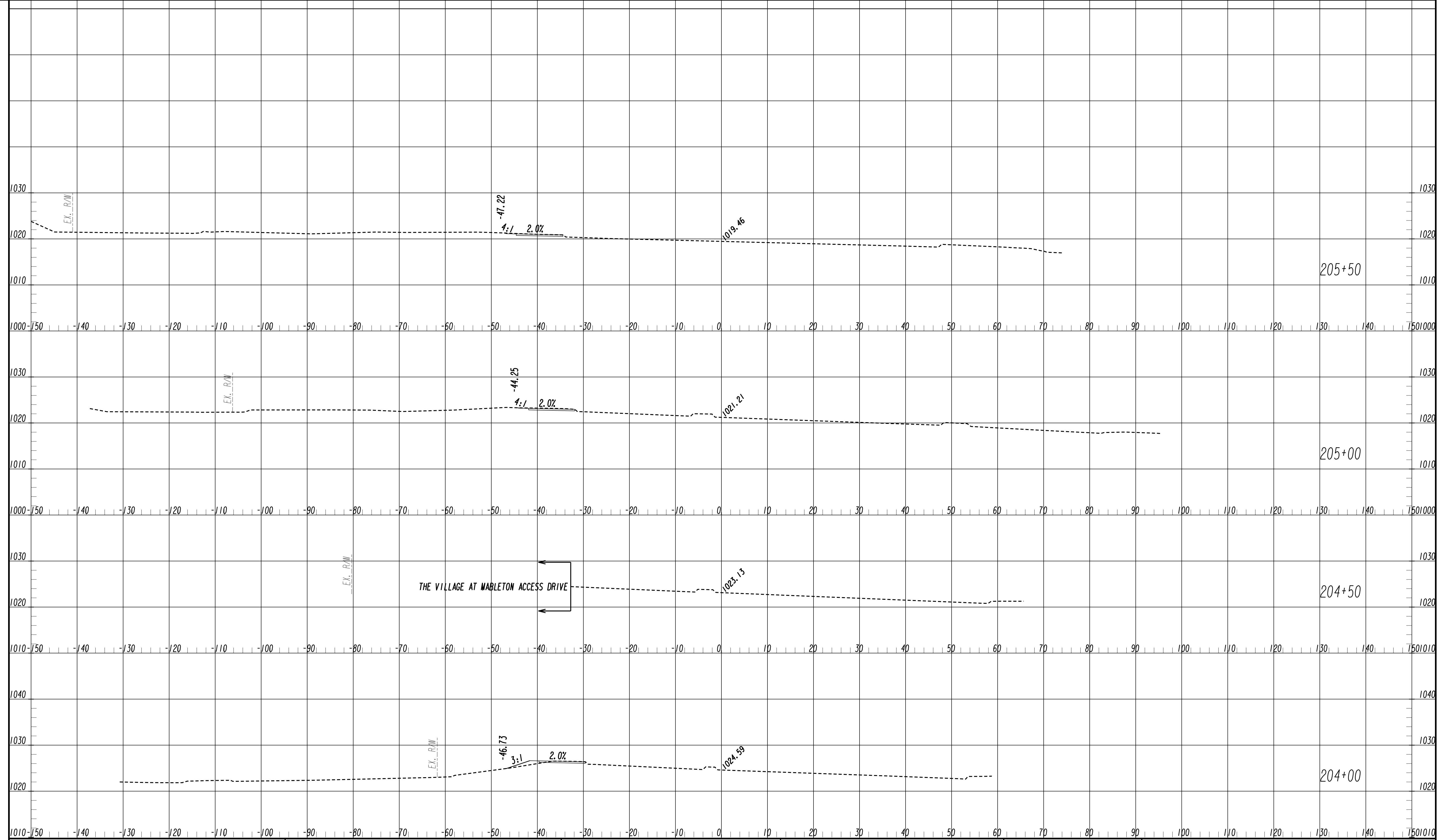
PLANS PREPARED AND SUBMITTED BY: *Shawn Griffin*  
 65 Aberdeen Drive Glasgow, KY 42048  
 270-681-1220  
 2500 Nelson Miller Parkway Louisville, KY 40223  
 502-345-3813  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING

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

REVISION DATES	

**CROSS SECTIONS**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>23-0031</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

OFFICES:  
 65 Aberdeen Drive, Glasgow, KY 42048  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 960 Acworth Landing Drive, Acworth, GA 30001  
 1700 42nd Street, Louisville, KY 40202

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

REVISION DATES

NO.	DATE	DESCRIPTION

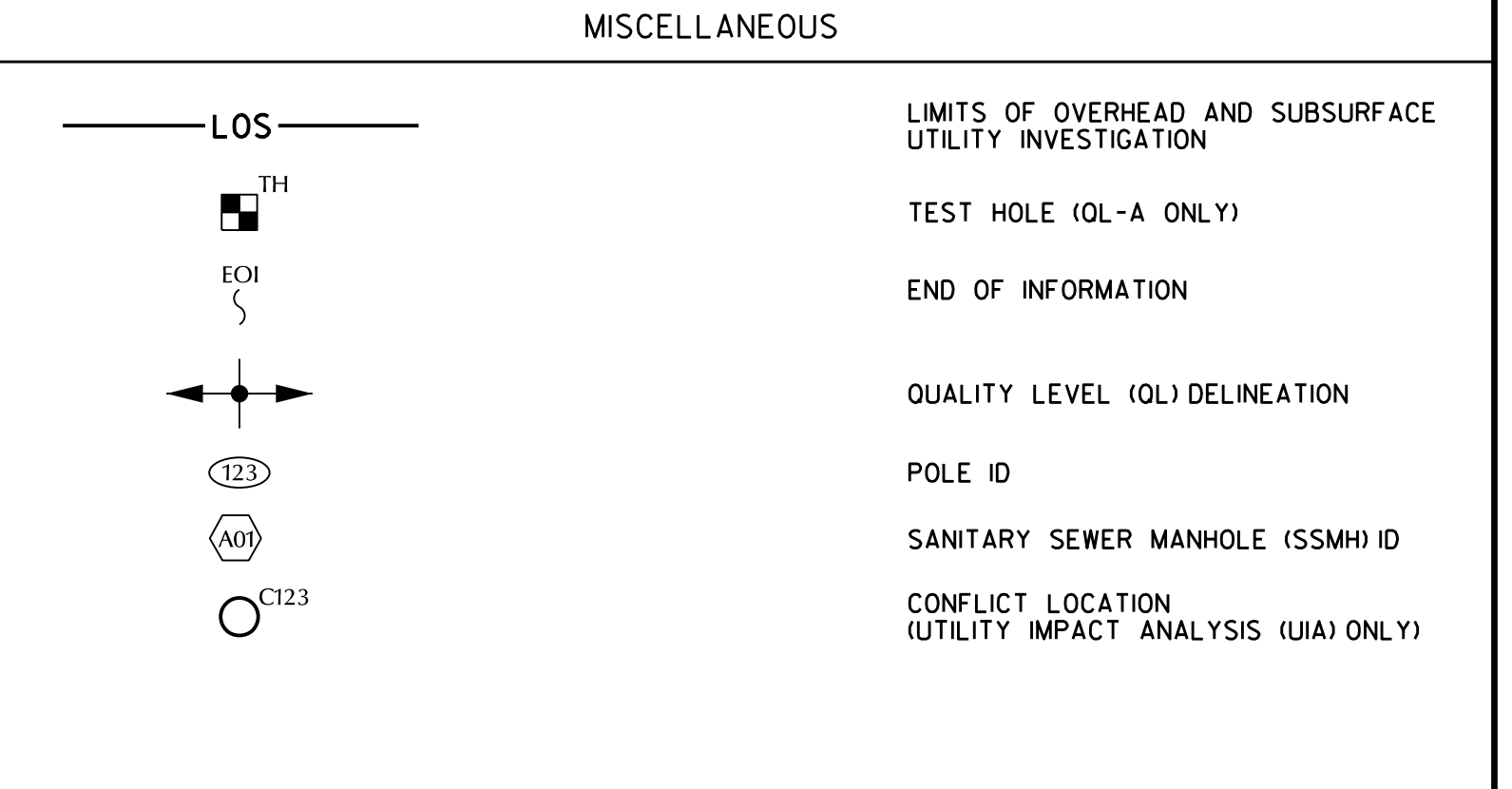
CROSS SECTIONS  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>23-0032</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

UTILITY LINECODES			
EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
---E---	<del>---E---</del>	---E---	ELECTRIC
---E-T---	<del>---E-T---</del>	---E-T---	ELECTRIC/TELECOMMUNICATIONS
---E-TV---	<del>---E-TV---</del>	---E-TV---	ELECTRIC/CABLE TV
---E-TC---	<del>---E-TC---</del>	---E-TC---	ELECTRIC/TRAFFIC CONTROL
---E-T-TV---	<del>---E-T-TV---</del>	---E-T-TV---	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
---E-T-TV-TC---	<del>---E-T-TV-TC---</del>	---E-T-TV-TC---	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
---E-TV-TC---	<del>---E-TV-TC---</del>	---E-TV-TC---	ELECTRIC/CABLE TV/TRAFFIC CONTROL
---E-T-TC---	<del>---E-T-TC---</del>	---E-T-TC---	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
---GW---	<del>---GW---</del>	---GW---	GUY WIRE
---T---	<del>---T---</del>	---T---	TELECOMMUNICATIONS
---T-TC---	<del>---T-TC---</del>	---T-TC---	TELECOMMUNICATIONS/TRAFFIC CONTROL
---T-TV-TC---	<del>---T-TV-TC---</del>	---T-TV-TC---	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
---T-TV---	<del>---T-TV---</del>	---T-TV---	TELECOMMUNICATIONS/CABLE TV
---TV---	<del>---TV---</del>	---TV---	CABLE TV
---TV-TC---	<del>---TV-TC---</del>	---TV-TC---	CABLE TV/TRAFFIC CONTROL
---TC---	<del>---TC---</del>	---TC---	TRAFFIC CONTROL
---E(O)---	<del>---E(O)---</del>	---E---	ELECTRIC (OL-D)
---E(B)---	<del>---E(B)---</del>	---E---	ELECTRIC (OL-C)
---T---	<del>---T---</del>	---T---	ELECTRIC (OL-B)
---T(C)---	<del>---T(C)---</del>	---T---	TELECOMMUNICATIONS (OL-D)
---T(B)---	<del>---T(B)---</del>	---T---	TELECOMMUNICATIONS (OL-C)
---TV---	<del>---TV---</del>	---TV---	TELECOMMUNICATIONS (OL-B)
---TV(C)---	<del>---TV(C)---</del>	---TV---	CABLE TV (OL-D)
---TV(B)---	<del>---TV(B)---</del>	---TV---	CABLE TV (OL-C)
---W---	<del>---W---</del>	---W---	CABLE TV (OL-B)
---W(C)---	<del>---W(C)---</del>	---W---	WATER (OL-D)
---W(B)---	<del>---W(B)---</del>	---W---	WATER (OL-C)
---**W---	<del>---**W---</del>	===**W===	WATER (OL-B)
---**W(C)---	<del>---**W(C)---</del>	===**W---	WATER FOR LABELED PIPE SIZES (OL-D)
---**W(B)---	<del>---**W(B)---</del>	===**W---	WATER FOR LABELED PIPE SIZES (OL-C)
---NW---	<del>---NW---</del>	---NW---	WATER FOR LABELED PIPE SIZES (OL-B)
---NW(C)---	<del>---NW(C)---</del>	---NW---	NON-POTABLE WATER (OL-D)
---NW(B)---	<del>---NW(B)---</del>	---NW---	NON-POTABLE WATER (OL-C)
---**NW---	<del>---**NW---</del>	===**NW===	NON-POTABLE WATER (OL-B)
---**NW(C)---	<del>---**NW(C)---</del>	===**NW---	NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-D)
---**NW(B)---	<del>---**NW(B)---</del>	===**NW---	NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-C)
---STM---	<del>---STM---</del>	---STM---	NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-B)
---STM(C)---	<del>---STM(C)---</del>	---STM---	STEAM (OL-D)
---STM(B)---	<del>---STM(B)---</del>	---STM---	STEAM (OL-C)
---**STM---	<del>---**STM---</del>	===**STM===	STEAM (OL-B)
---**STM(C)---	<del>---**STM(C)---</del>	===**STM---	STEAM FOR LABELED PIPE SIZES (OL-D)
---**STM(B)---	<del>---**STM(B)---</del>	===**STM---	STEAM FOR LABELED PIPE SIZES (OL-C)
--->SS---	<del>---&gt;SS---</del>	--->SS---	STEAM FOR LABELED PIPE SIZES (OL-B)
--->SS(C)---	<del>---&gt;SS(C)---</del>	--->SS---	SANITARY SEWER WITH FLOW DIRECTION (OL-D)
--->SS(B)---	<del>---&gt;SS(B)---</del>	--->SS---	SANITARY SEWER WITH FLOW DIRECTION (OL-C)
--->SS(C)---	<del>---&gt;SS(C)---</del>	===>SS---	SANITARY SEWER WITH FLOW DIRECTION (OL-B)
--->SS(B)---	<del>---&gt;SS(B)---</del>	===>SS---	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-D)
--->SS(C)---	<del>---&gt;SS(C)---</del>	===>SS---	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-C)
--->SS(B)---	<del>---&gt;SS(B)---</del>	===>SS---	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-B)
--->SFM---	<del>---&gt;SFM---</del>	--->SFM---	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-D)
--->SFM(C)---	<del>---&gt;SFM(C)---</del>	--->SFM---	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-C)
--->SFM(B)---	<del>---&gt;SFM(B)---</del>	--->SFM---	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-B)
---G---	<del>---G---</del>	---G---	GAS (OL-D)
---G(C)---	<del>---G(C)---</del>	---G---	GAS (OL-C)
---G(B)---	<del>---G(B)---</del>	---G---	GAS (OL-B)
---**G---	<del>---**G---</del>	===**G===	GAS FOR LABELED PIPE SIZES (OL-D)
---**G(C)---	<del>---**G(C)---</del>	===**G---	GAS FOR LABELED PIPE SIZES (OL-C)
---**G(B)---	<del>---**G(B)---</del>	===**G---	GAS FOR LABELED PIPE SIZES (OL-B)
---P---	<del>---P---</del>	---P---	PETROLEUM (OL-D)
---P(C)---	<del>---P(C)---</del>	---P---	PETROLEUM (OL-C)
---P(B)---	<del>---P(B)---</del>	---P---	PETROLEUM (OL-B)
---**P---	<del>---**P---</del>	===**P===	PETROLEUM FOR LABELED PIPE SIZES (OL-D)
---**P(C)---	<del>---**P(C)---</del>	===**P---	PETROLEUM FOR LABELED PIPE SIZES (OL-C)
---**P(B)---	<del>---**P(B)---</del>	===**P---	PETROLEUM FOR LABELED PIPE SIZES (OL-B)
---TC---	<del>---TC---</del>	---TC---	TRAFFIC CONTROL (OL-D)
---TC(C)---	<del>---TC(C)---</del>	---TC---	TRAFFIC CONTROL (OL-C)
---TC(B)---	<del>---TC(B)---</del>	---TC---	TRAFFIC CONTROL (OL-B)
---UNK(B)---	<del>---UNK(B)---</del>	---UNK(B)---	UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (OL-B)

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

UTILITY SYMBOLS					
EXISTING	PROPOSED	TEMPORARY	EXISTING	PROPOSED	TEMPORARY



**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.

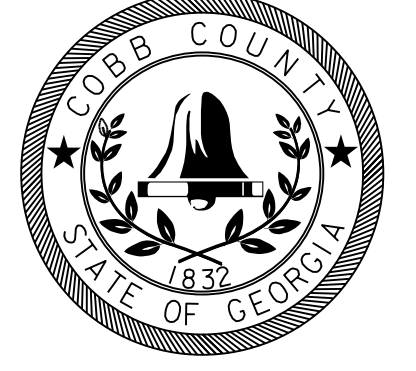
**TELEPHONE PAIR SIZE TABLE**

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

**COMCAST AND ZAYO**

.COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE

.ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE



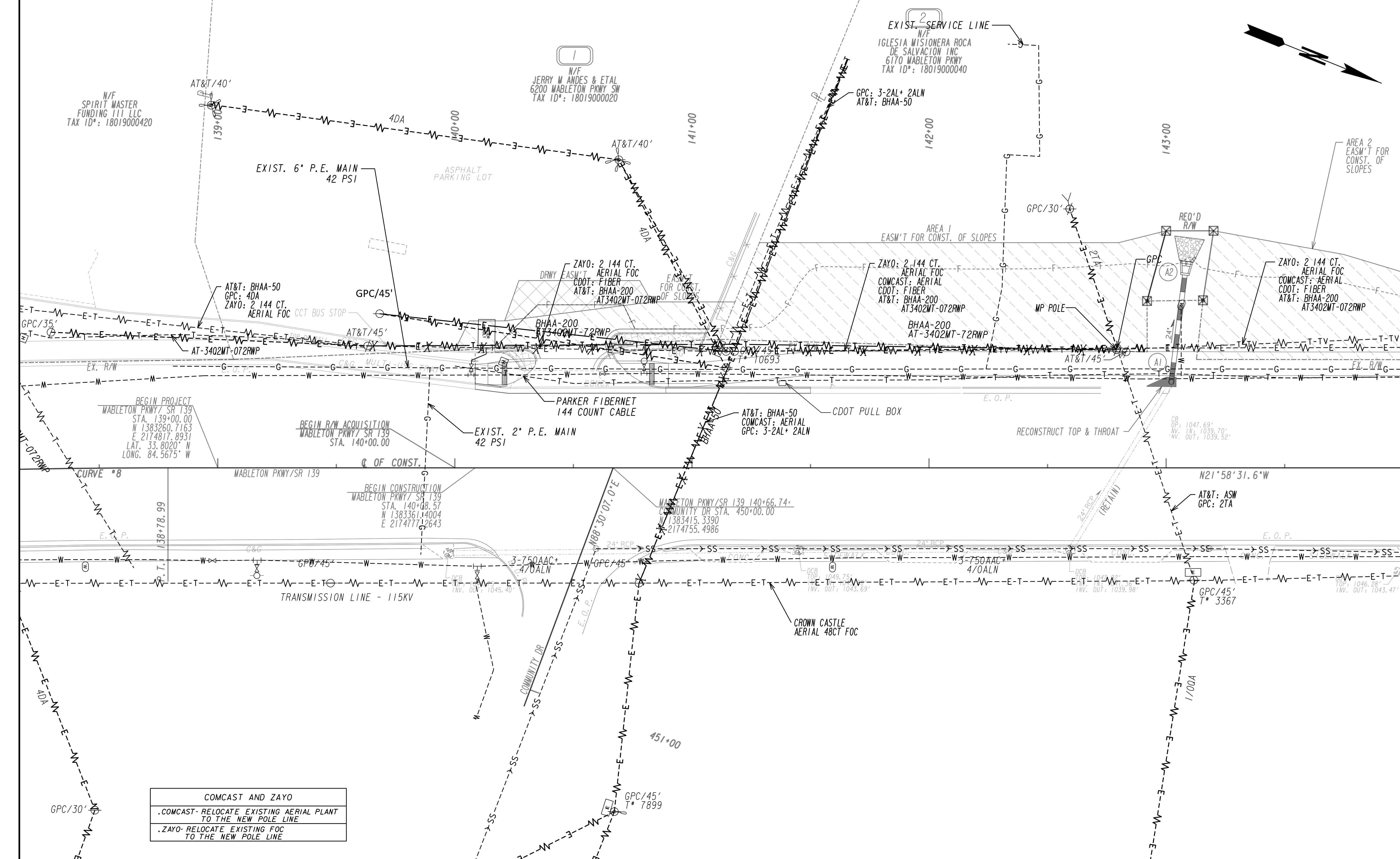
PLANS PREPARED AND SUBMITTED BY:

**AEI** American Engineers, Inc. PROFESSIONAL ENGINEERING

DESIGN CONSULTANT

*N. T. S.*

REVISION DATES		UTILITY PLANS	
CHECKED:	DATE:	DRAWING No. 24-0000	
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		



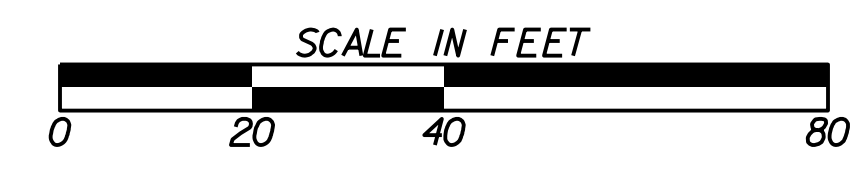
**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

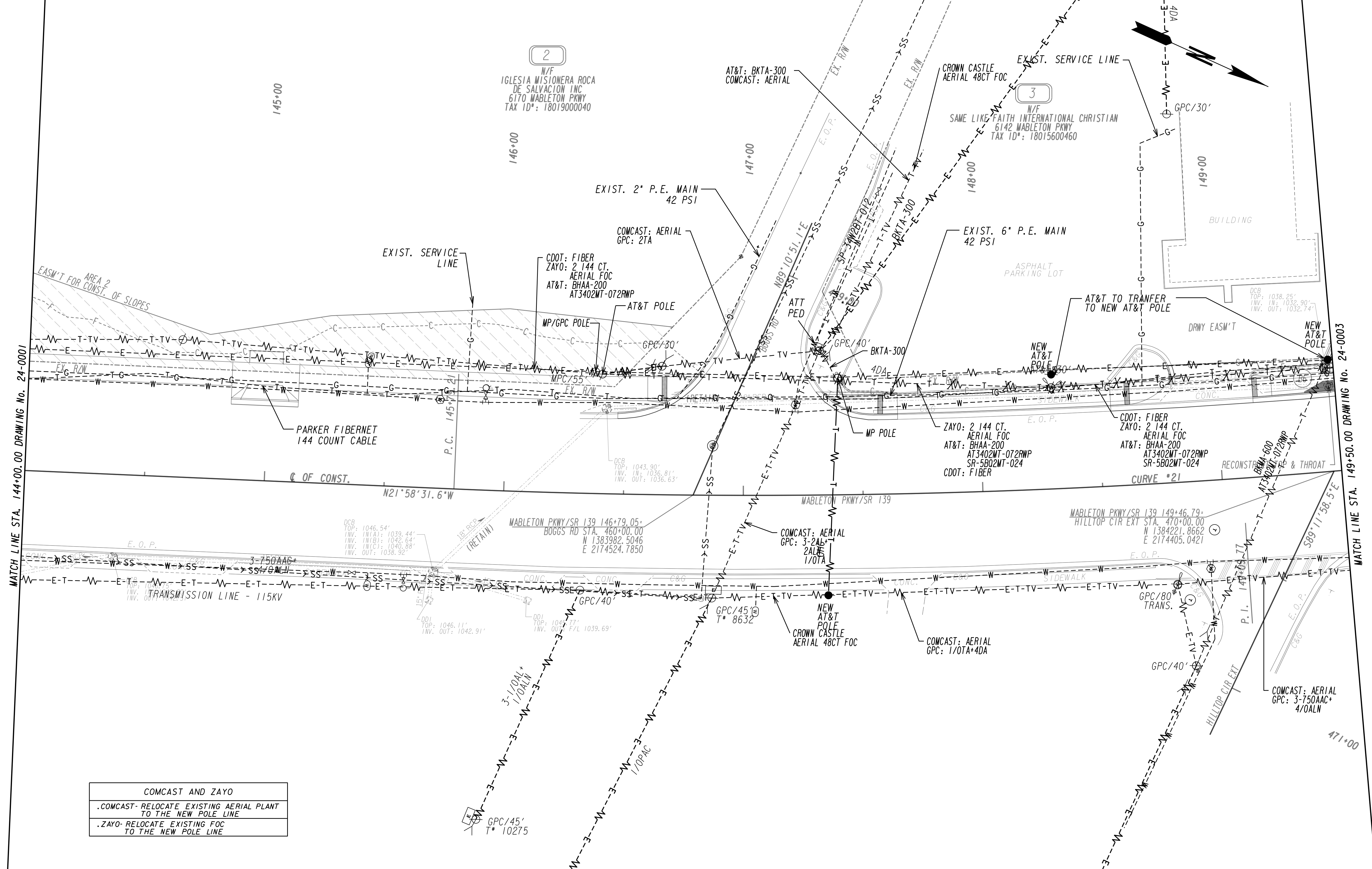


REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

MATCH LINE STA. 144+00.00 DRAWING No. 24-0002



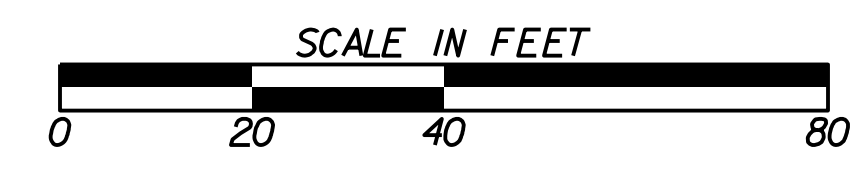


**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

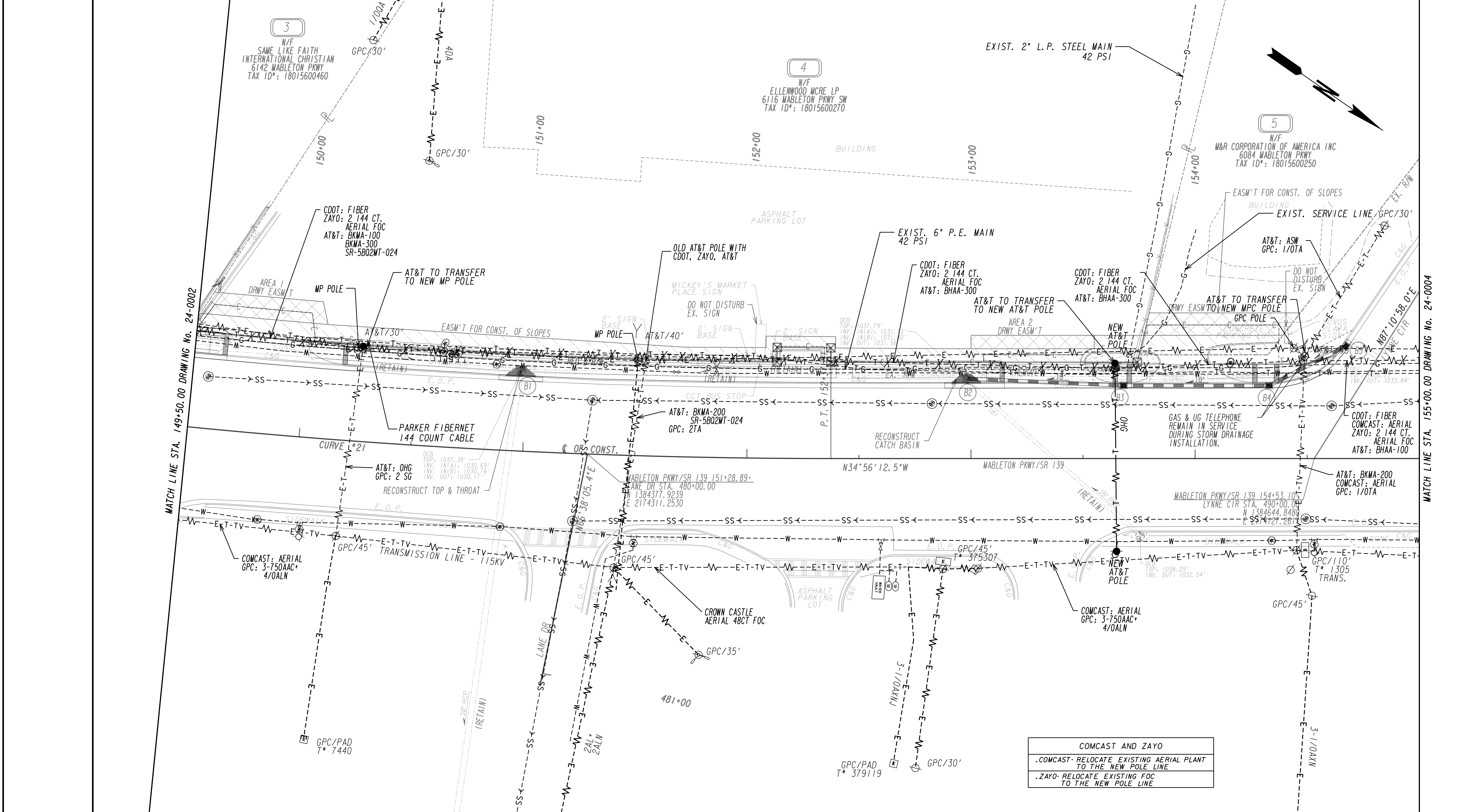


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0002	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

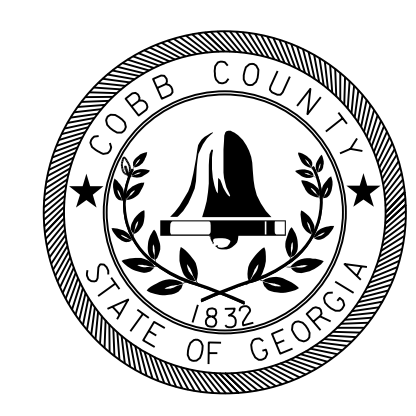
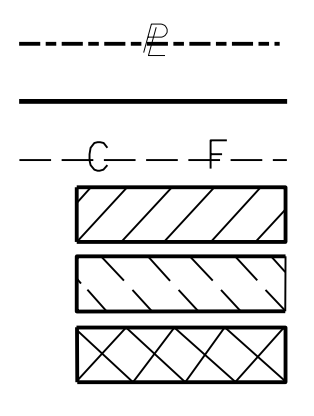


MATCH LINE STA. 149+50.00 DRAWING No. 24-0002

MATCH LINE STA. 155+00.00 DRAWING No. 24-0004

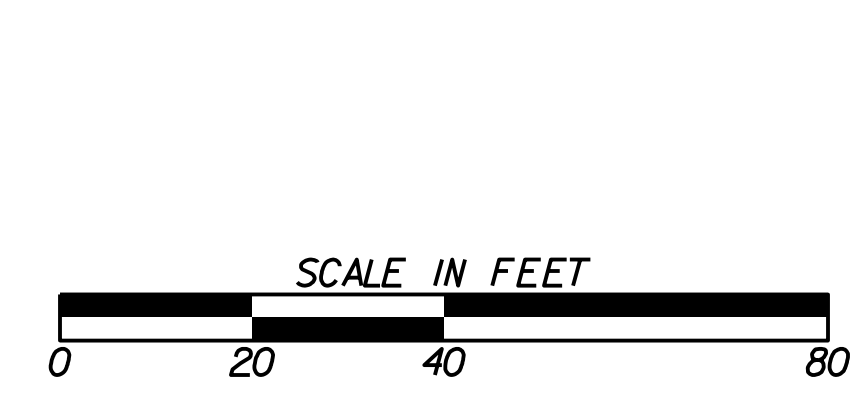
**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

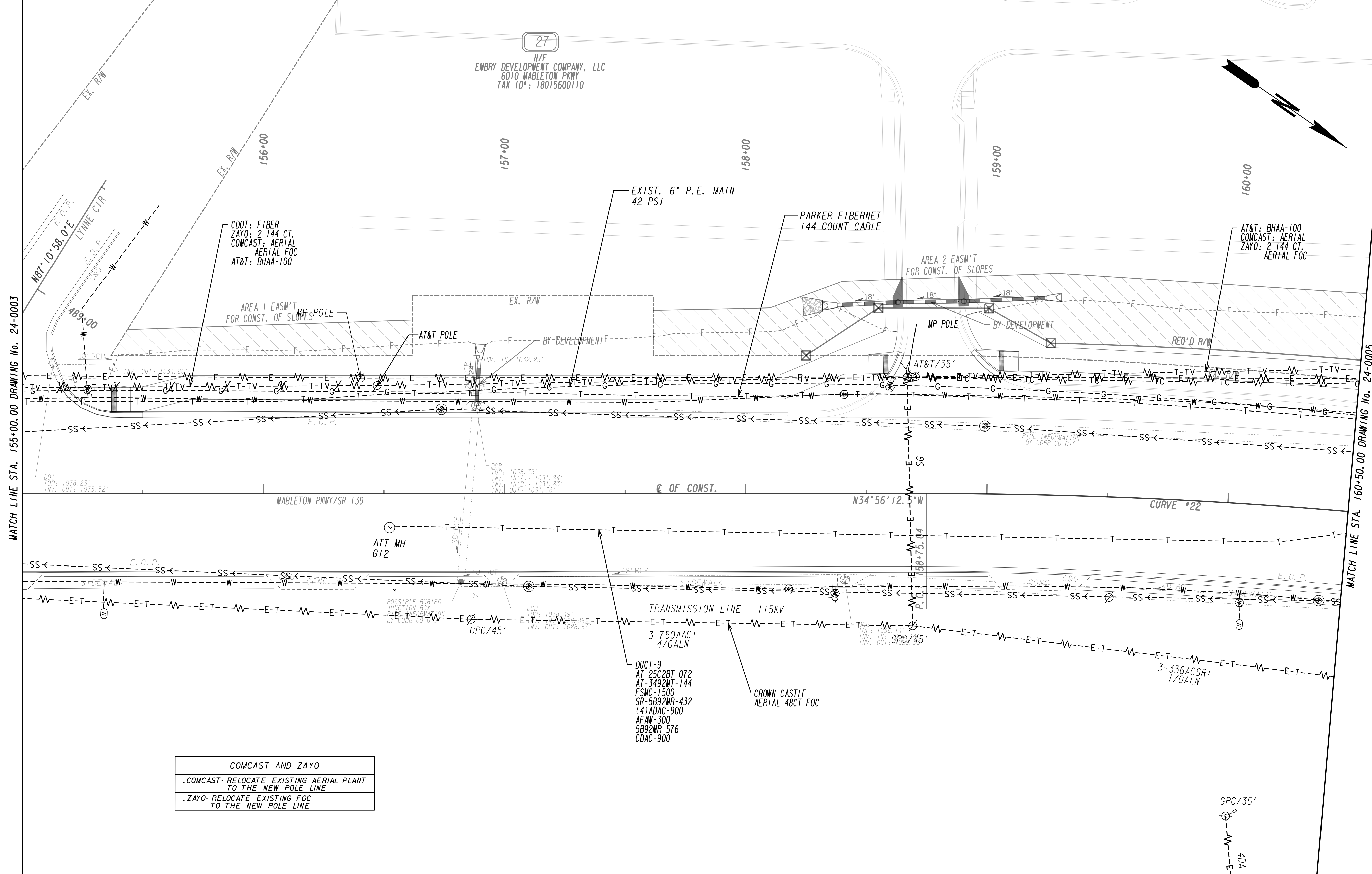
PROFESSIONAL ENGINEERING



REVISION DATES	

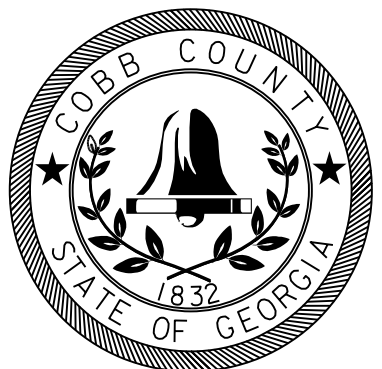
**UTILITY PLANS**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>24-0003</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

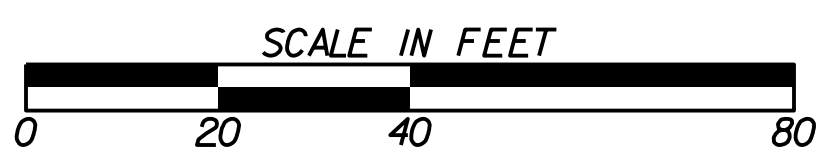


COMCAST AND ZAYO  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

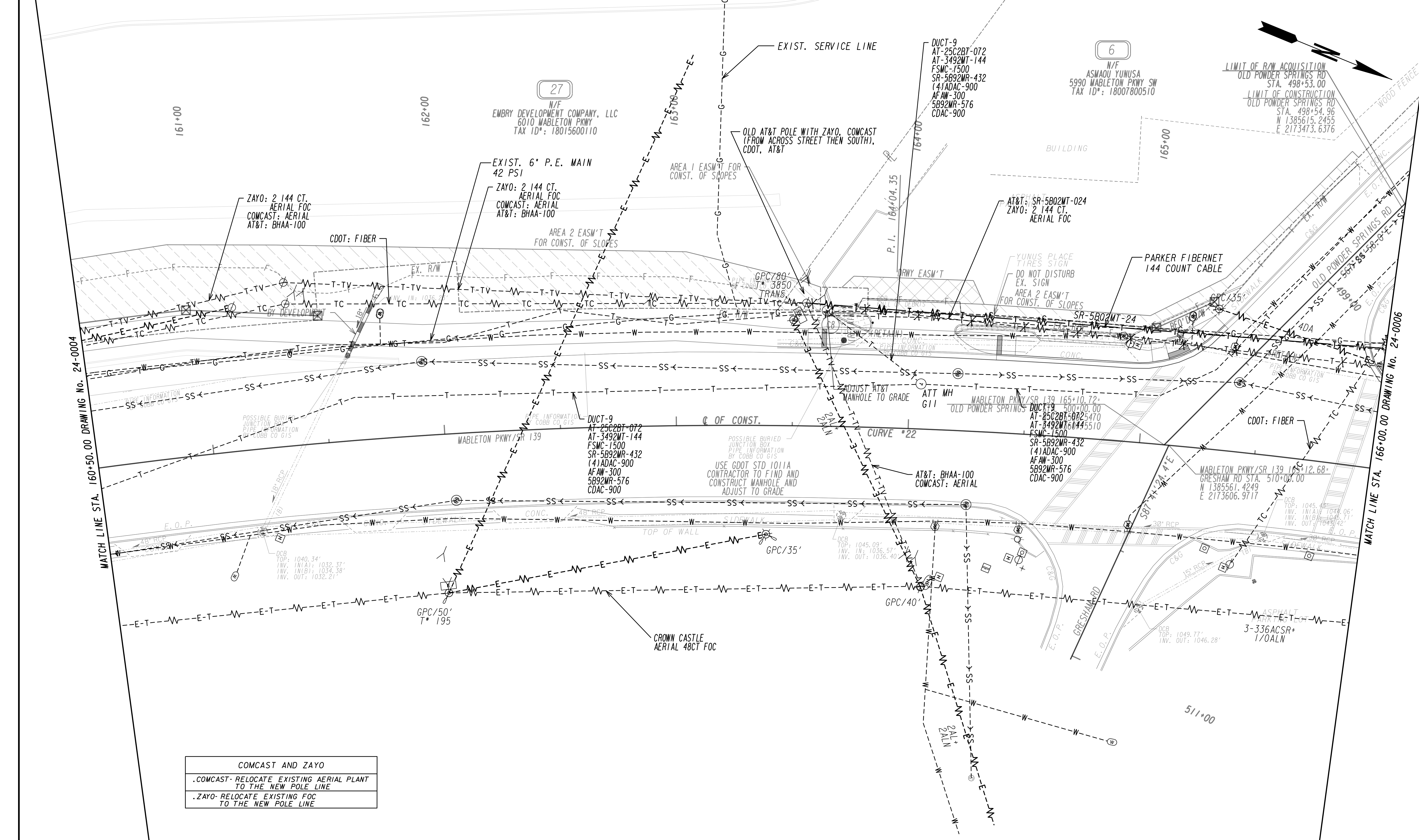


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



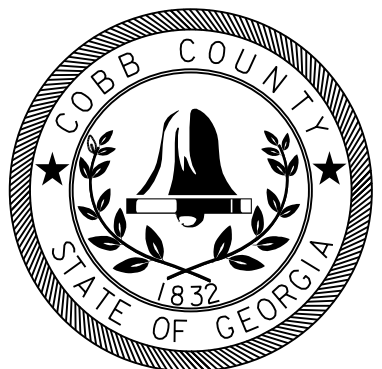
REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0004	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

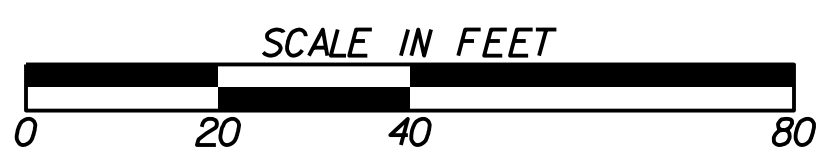


**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

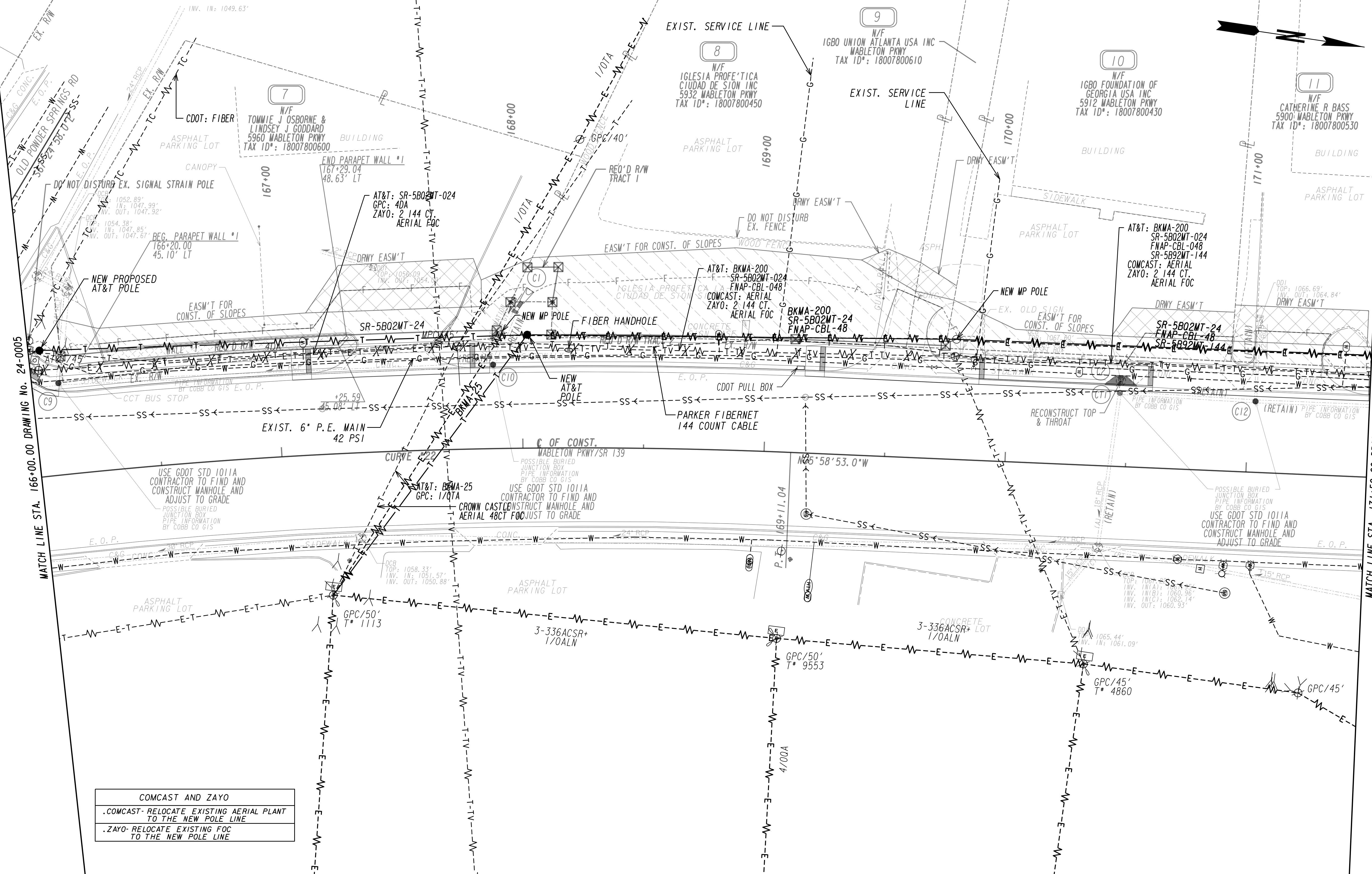


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

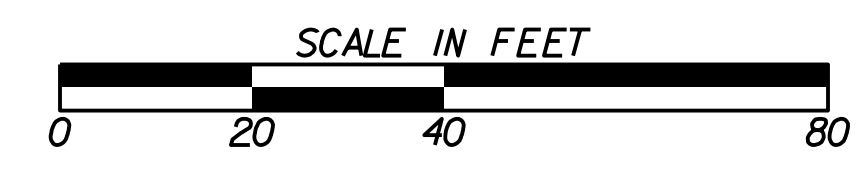


**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

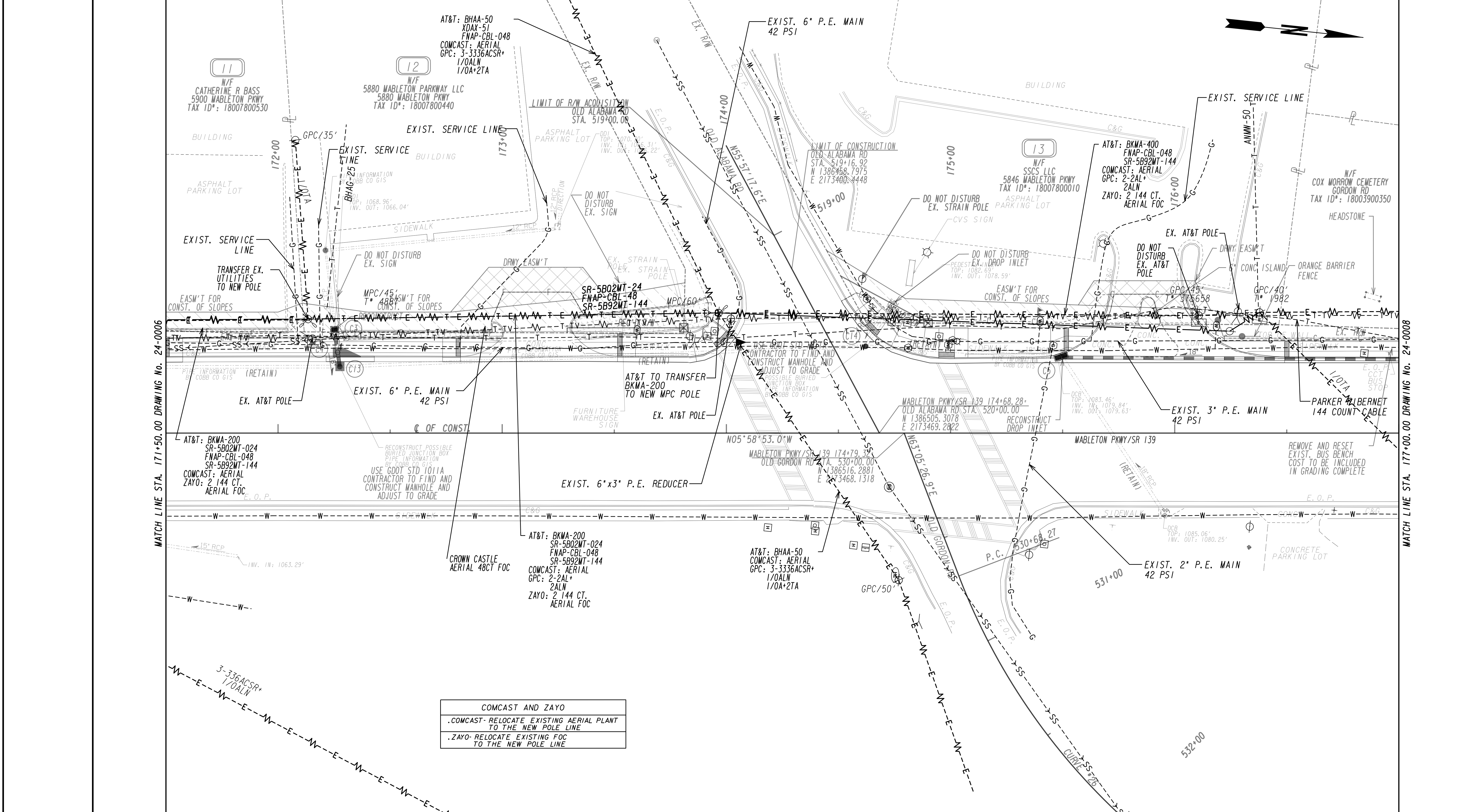


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

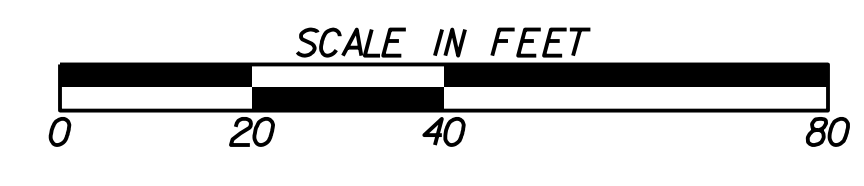
UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0006	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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

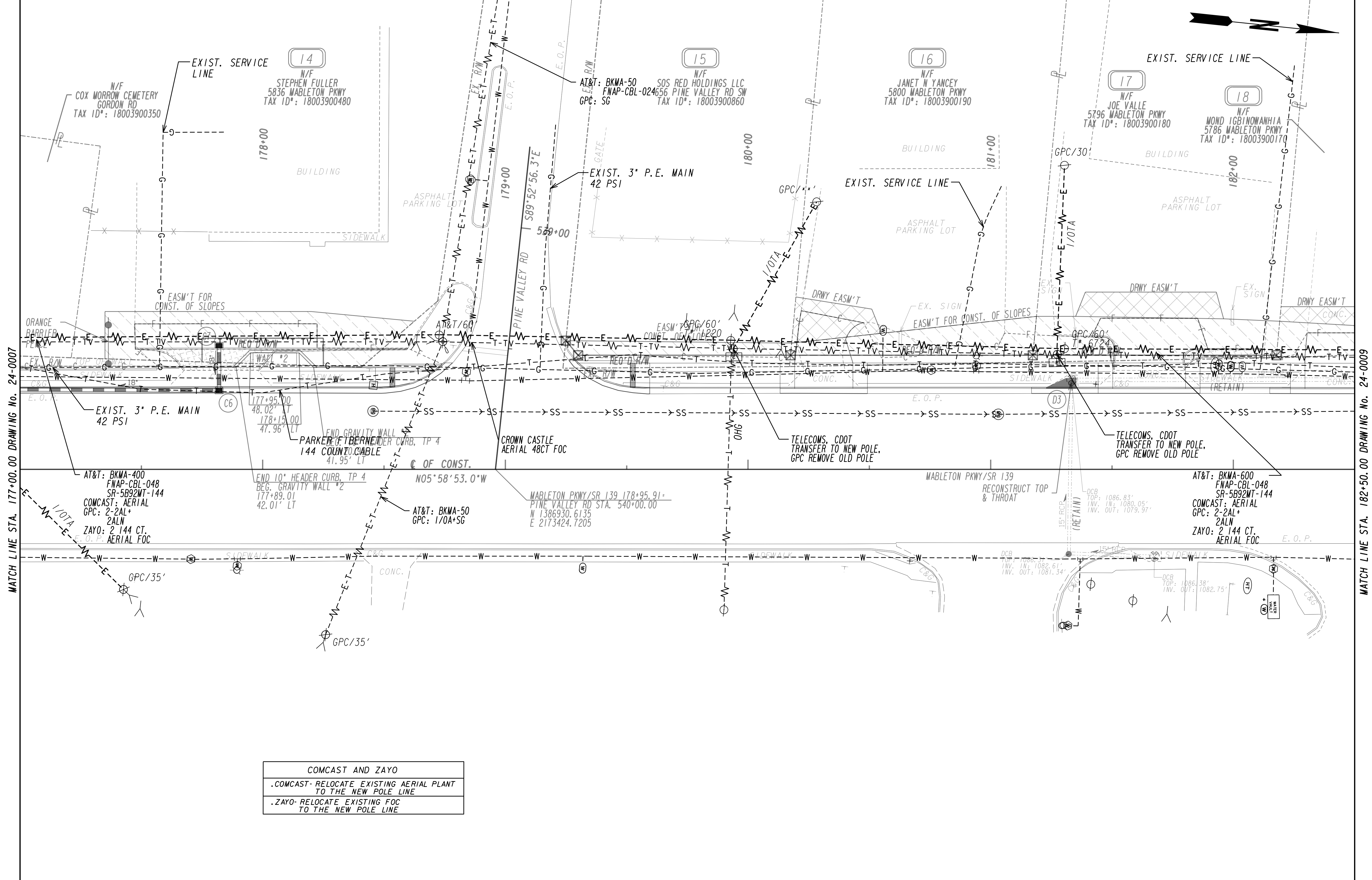


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

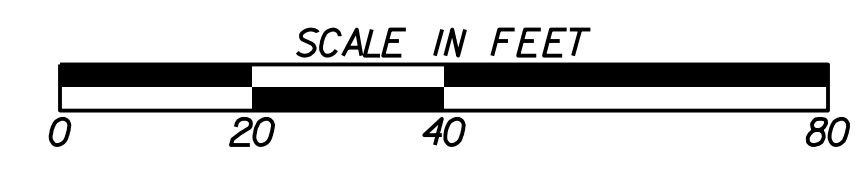


COMCAST AND ZAYO  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

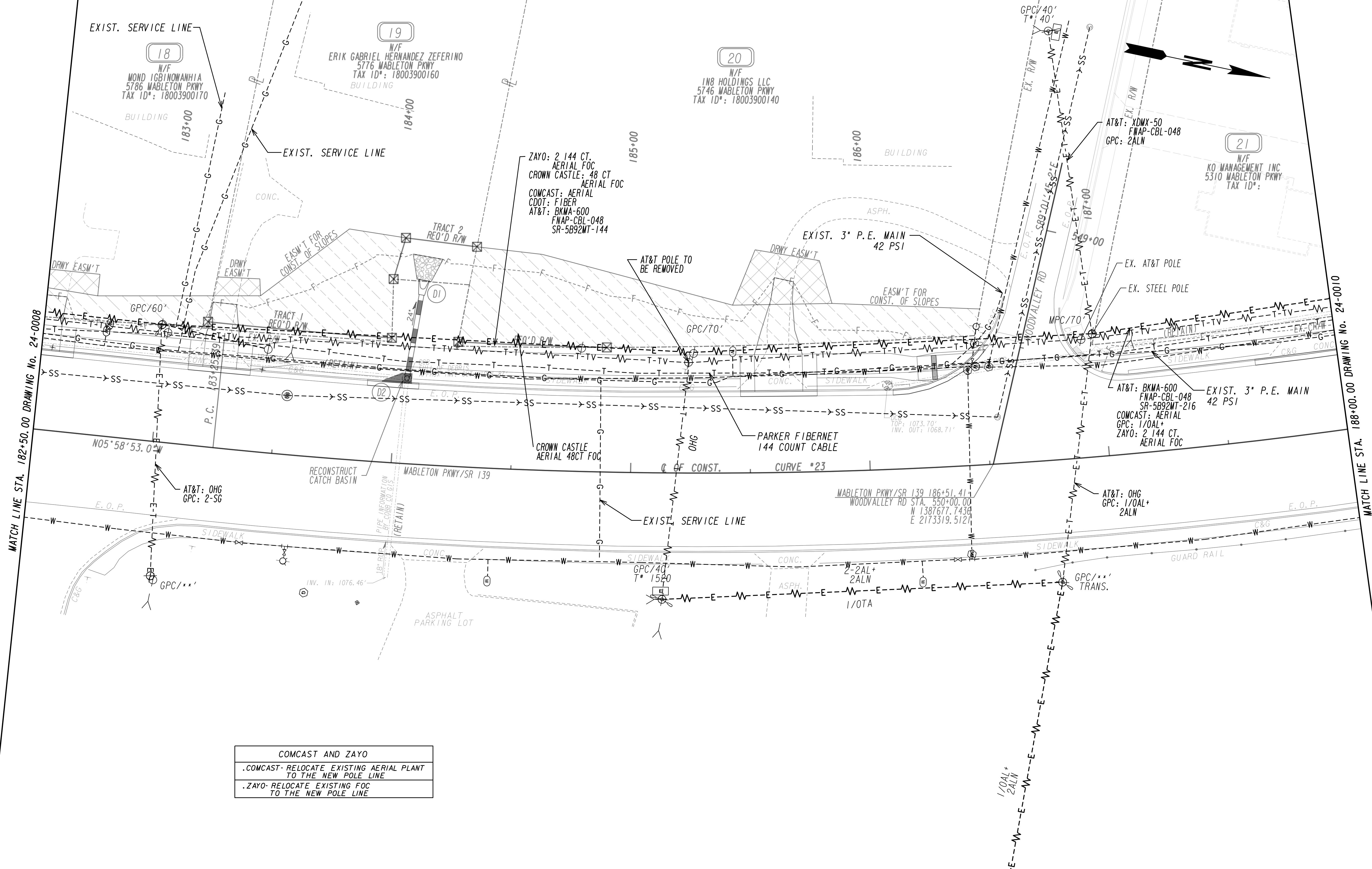


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



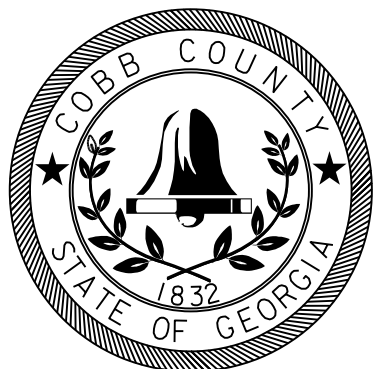
REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0008	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

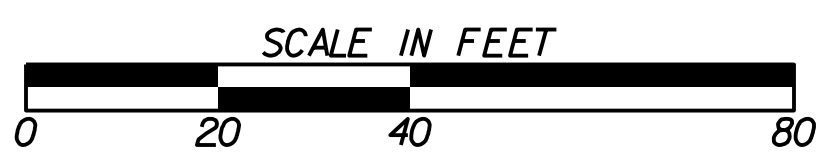


**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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



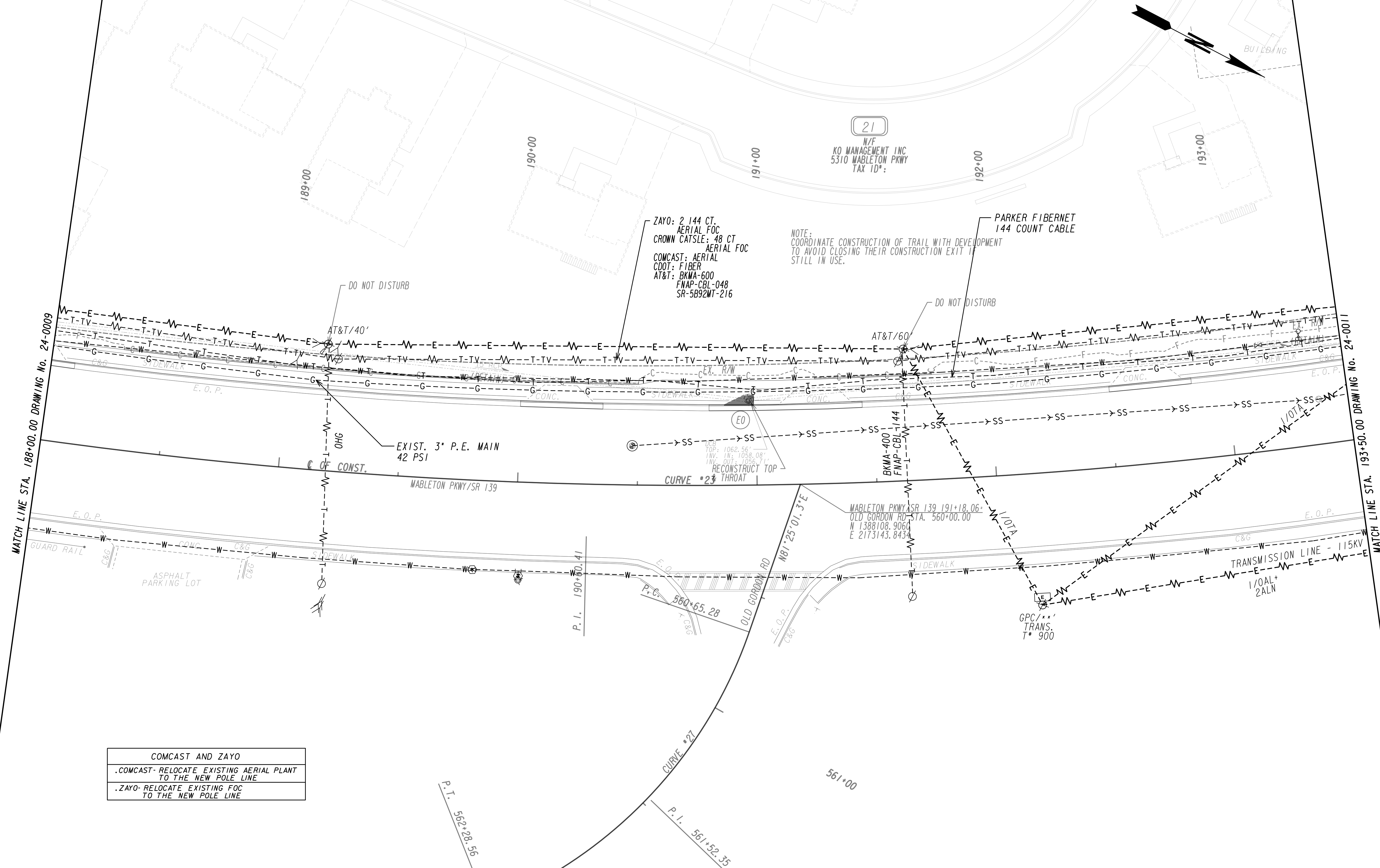
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0009	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





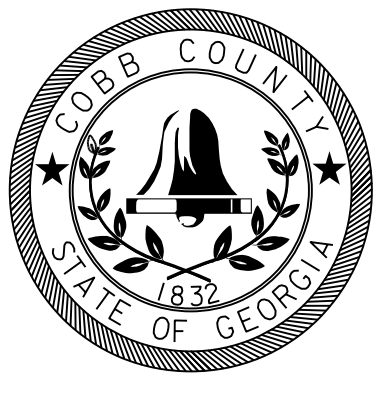
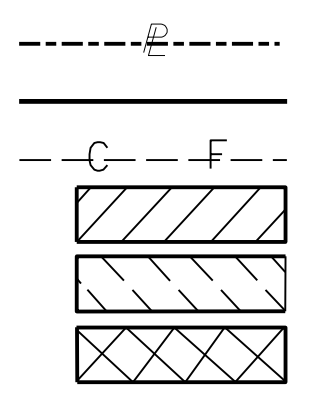
ZAYO: 2 144 CT. AERIAL FOC  
 CROWN CATSLE: 48 CT AERIAL FOC  
 COMCAST: AERIAL  
 CDOT: FIBER  
 AT&T: BKMA-600  
 FNAP-CBL-048  
 SR-5B92MT-216

NOTE: COORDINATE CONSTRUCTION OF TRAIL WITH DEVELOPMENT TO AVOID CLOSING THEIR CONSTRUCTION EXIT IF STILL IN USE.

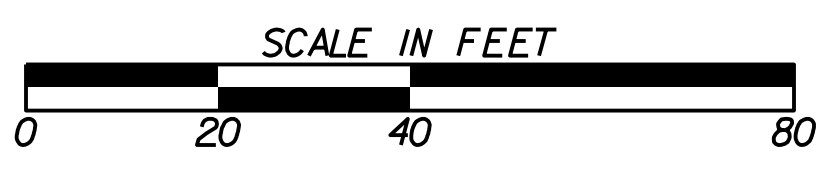
PARKER FIBERNET  
 144 COUNT CABLE

COMCAST AND ZAYO  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

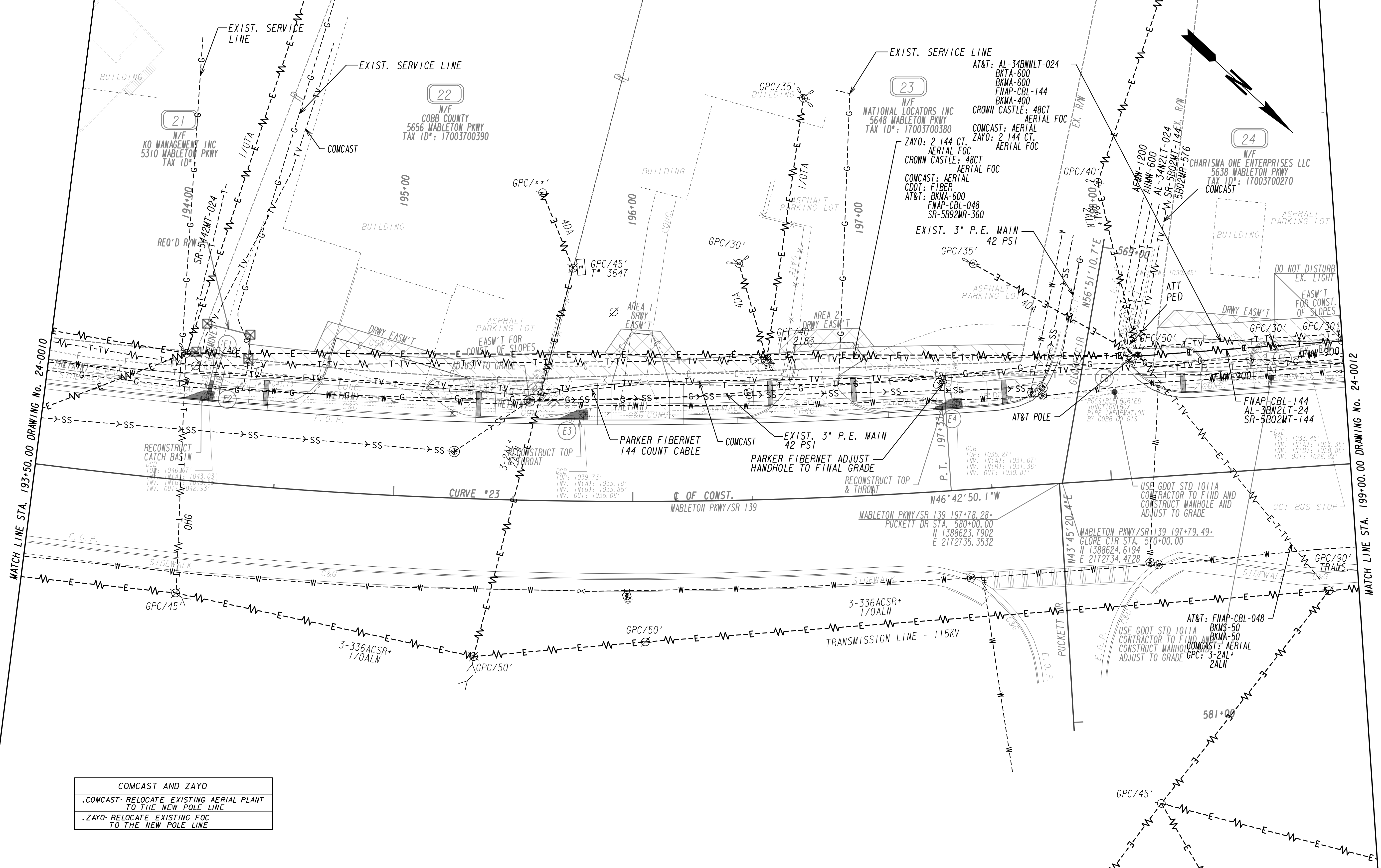


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



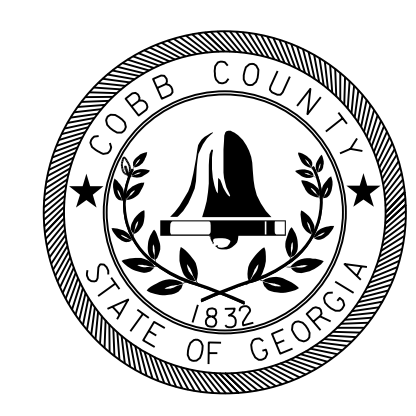
REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0010	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

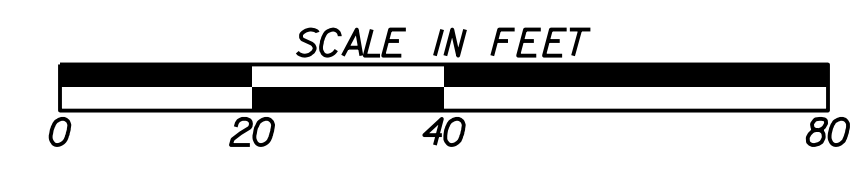


**COMCAST AND ZAYO**  
 .COMCAST-RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO-RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

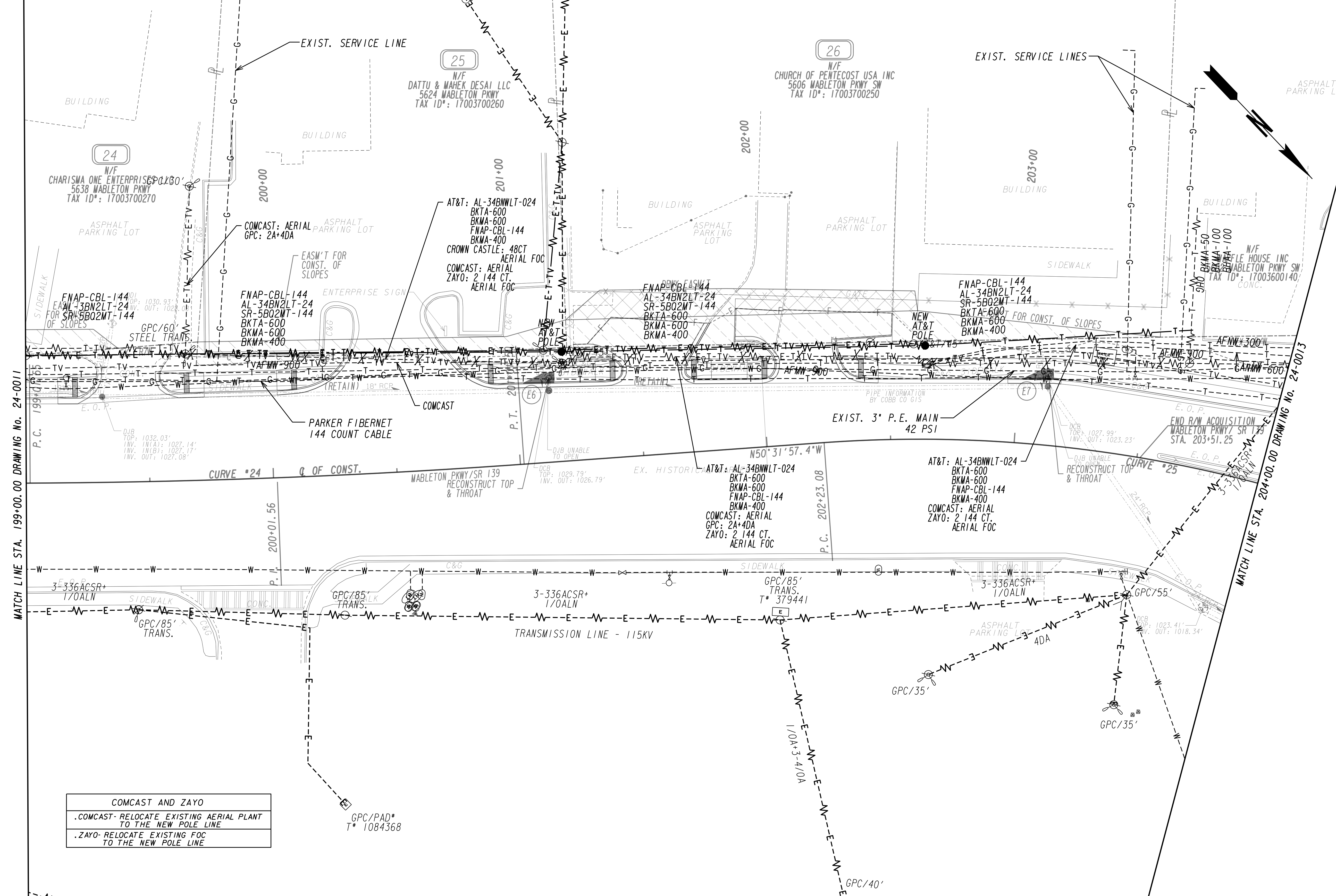


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0011	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

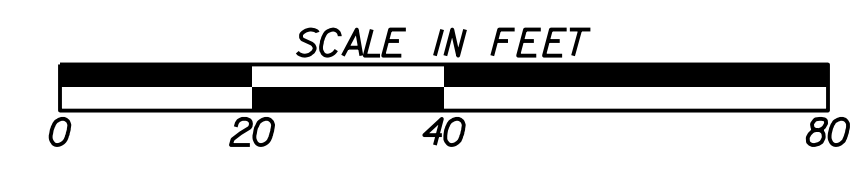


COMCAST AND ZAYO  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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

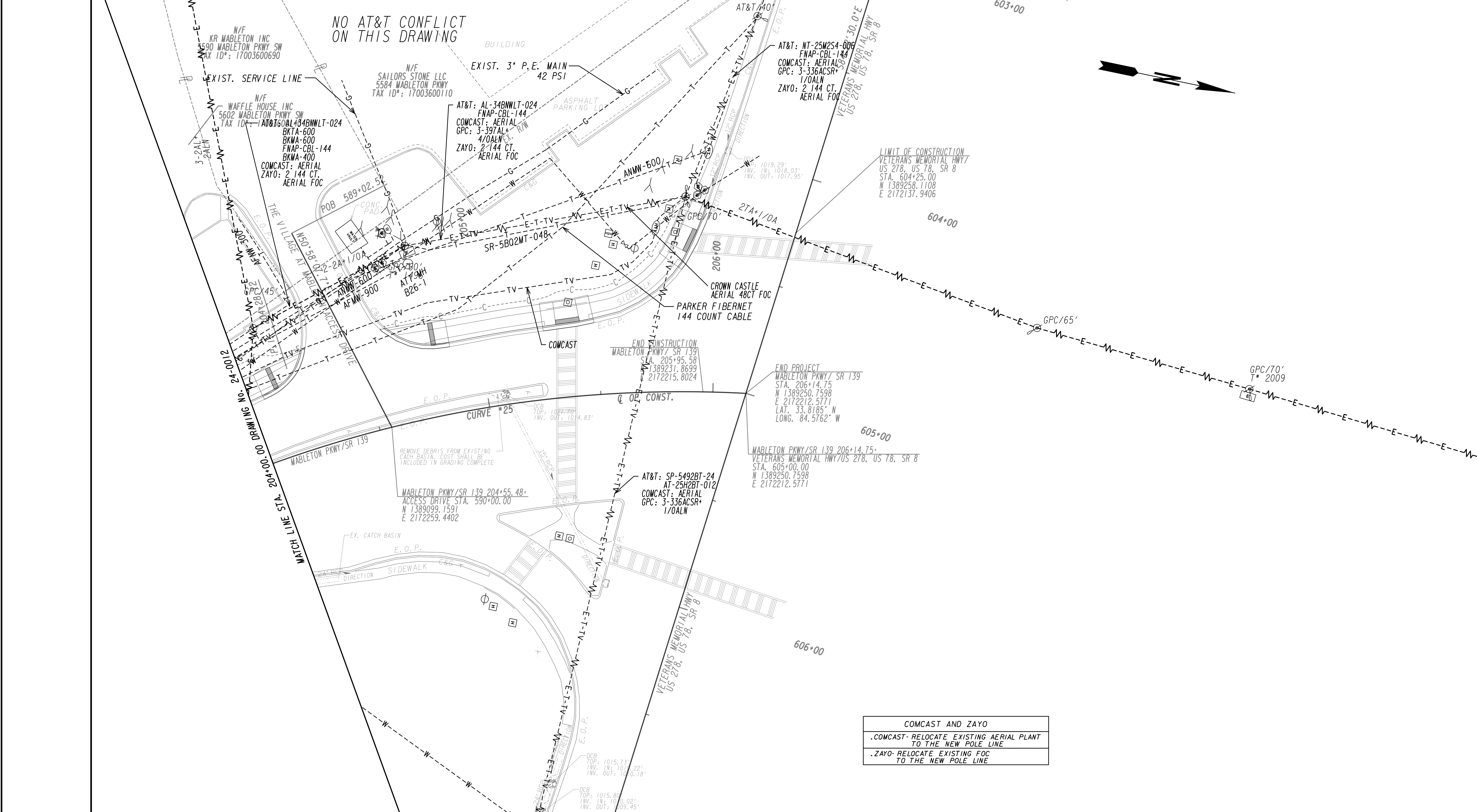


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



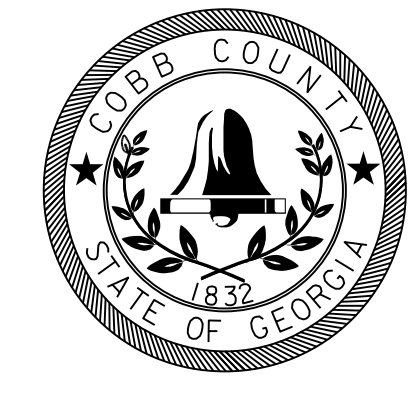
REVISION DATES	

UTILITY PLANS MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0012	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

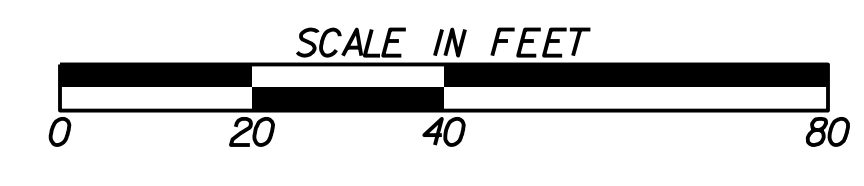


**COMCAST AND ZAYO**  
 .COMCAST- RELOCATE EXISTING AERIAL PLANT TO THE NEW POLE LINE  
 .ZAYO- RELOCATE EXISTING FOC TO THE NEW POLE LINE

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

UTILITY PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	24-0013	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		

### Mableton Parkway Trail Phase 2 Water Quantities

Item No.	Description	Unit	Bid Quantity
A-0140	Utility Allowance	ALL	1
A-0190	Exploratory Excavation Allowance	HR	40
G-0450	Adjust Existing Valve Box to Grade - In Pavement	EA	22
G-0460	Water Meter Box Adjustment to Grade	EA	1
G-0465	Water Meter Vault Adjustment to Grade	EA	1
S-1021	Adjust Existing Manhole to Grade	EA	2
W-0101	1-Inch Copper Service Line	LF	50
W-0106	6-Inch Ductile Iron SJ CL 350 Water Main	LF	610
W-0106A	6-Inch Ductile Iron SJ CL 350 WM Extra Depth (0'-4')	LF	100
W-0706	6-Inch Misc. MJ Fittings	TON	0.8
W-0706A	6-Inch Wedge Action Retainer Glands	EA	48
W-0900D	Horizontal Fire Hydrant Extension	EA	7
W-4006B	Connect to Existing 6-Inch Water Main - Cut-In	EA	12
W-5000.75A	3/4-Inch Service Line Replacement - Short Side	EA	2
W-5010	Relocate Existing <u>  1  </u> -Inch Water Meter	EA	2
W-5010	Relocate Existing <u>  1.5  </u> -Inch Water Meter	EA	2
W-5010.75	Relocate Existing 3/4-Inch Water Meter	EA	14
W-5020.75	Replace Existing 3/4-Inch Water Meter	EA	1
W-8006	Abandon Existing 6-Inch Water Main - In Place	EA	2



**Cobb County Water System**

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

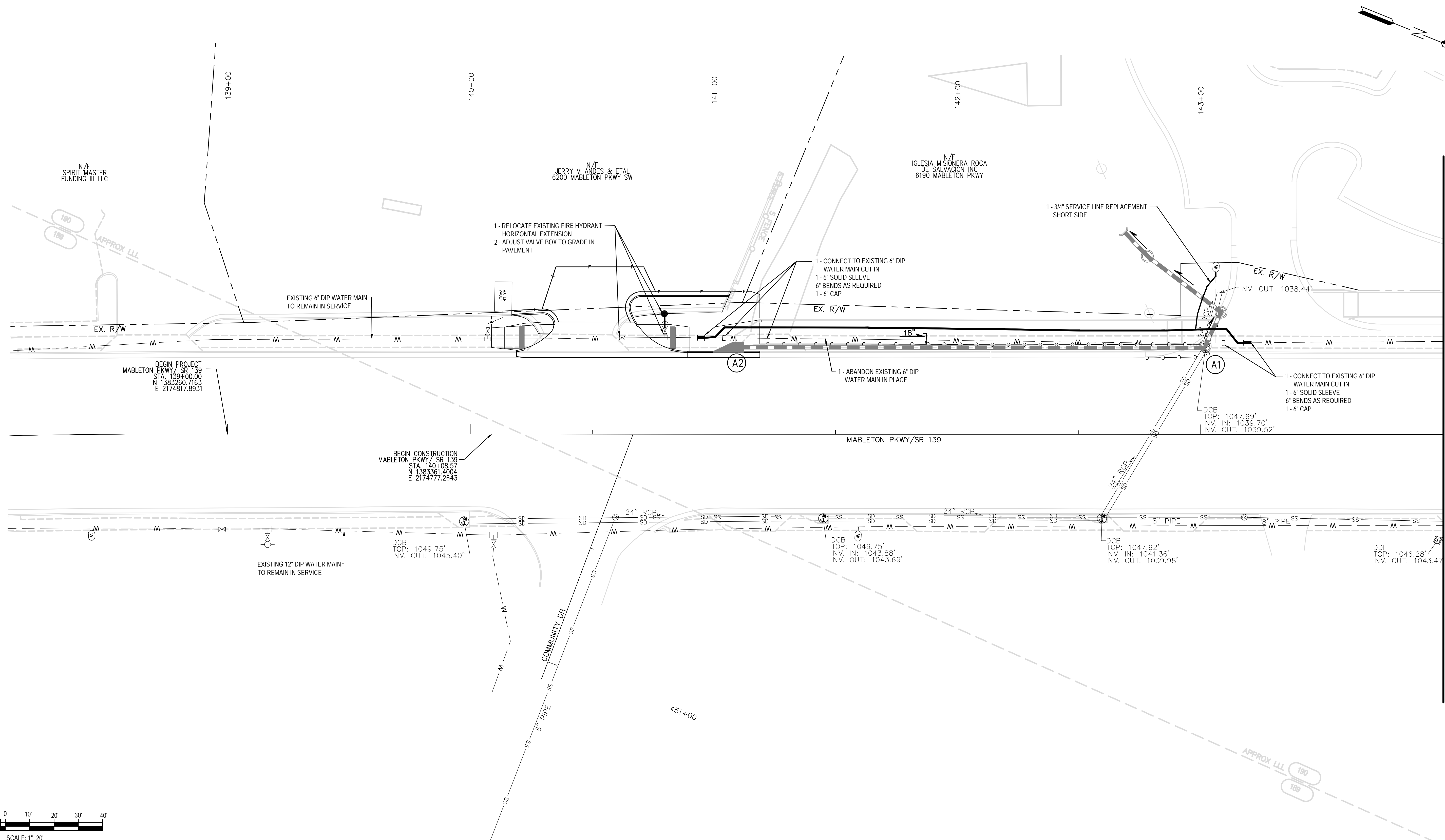
WATER SYSTEM PLANS

**MABLETON PKWY  
TRAIL PHASE II**

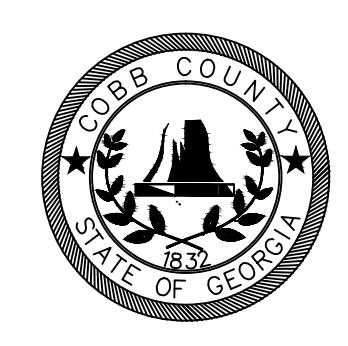
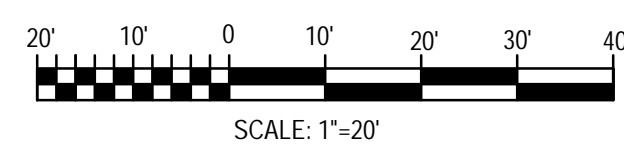
THIS PROJECT IS LOCATED IN LAND LOTS  
36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT,  
OF COBB COUNTY, GEORGIA

WATER SYSTEM  
PROGRAM NO.  
W4458  
DRAWING NO.  
24A-00

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 144+00 SEE SHEET 24A-02



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

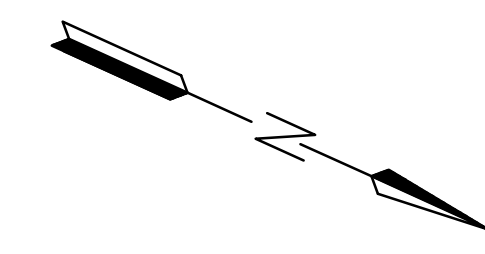
## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA

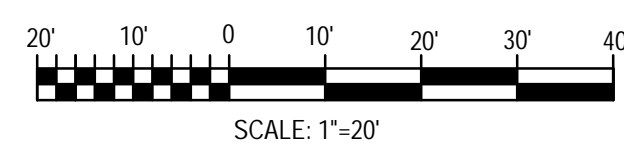
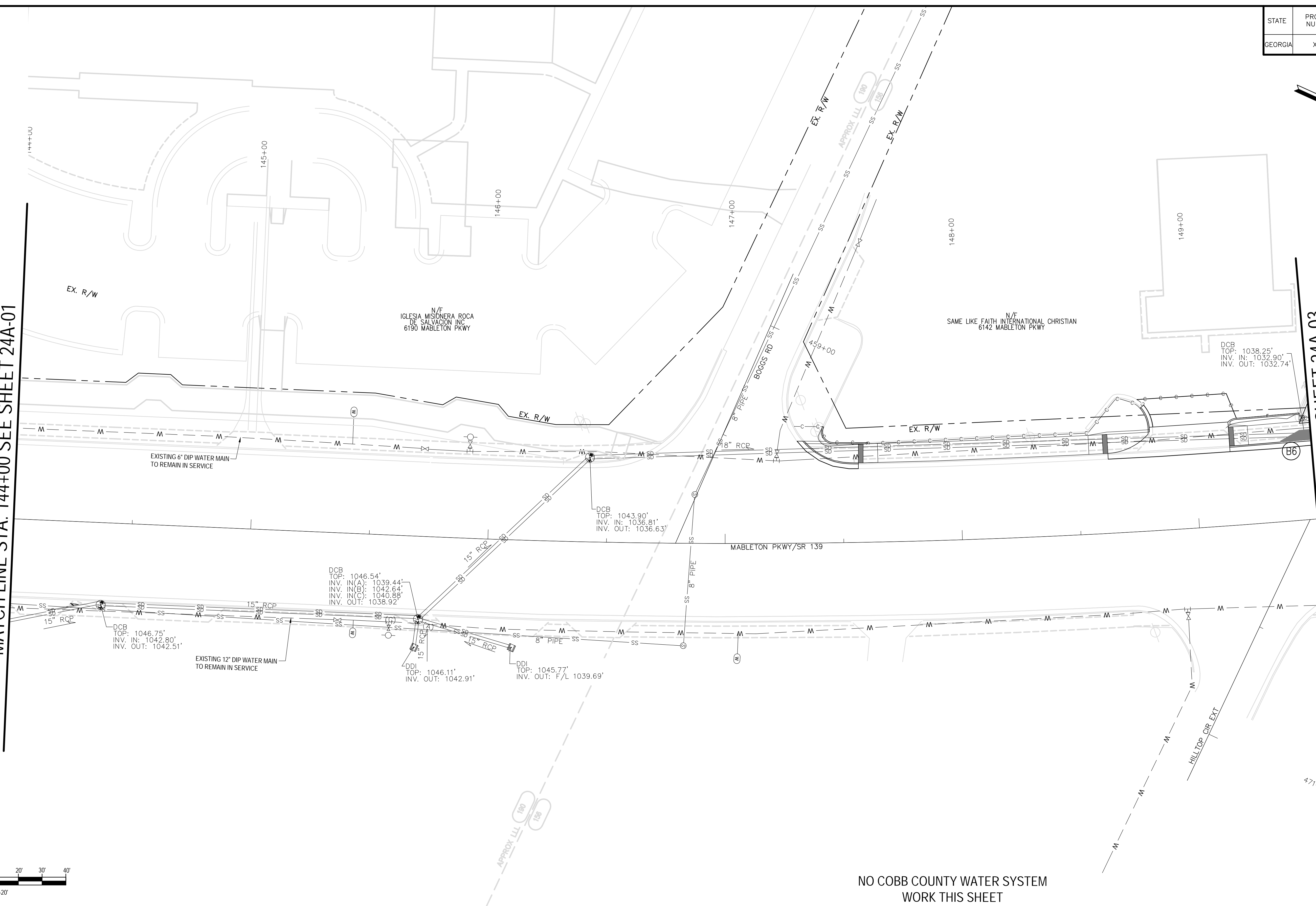
WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-01

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		

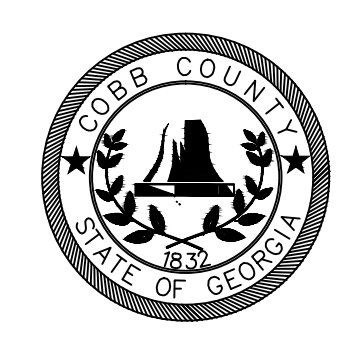


MATCHLINE STA. 144+00 SEE SHEET 24A-01

MATCHLINE STA. 149+50 SEE SHEET 24A-03



NO COBB COUNTY WATER SYSTEM  
WORK THIS SHEET



## Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

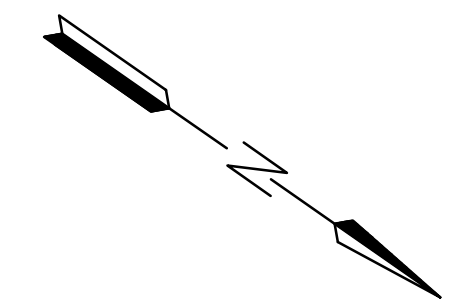
## WATER SYSTEM PLANS

## MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS  
36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT,  
OF COBB COUNTY, GEORGIA

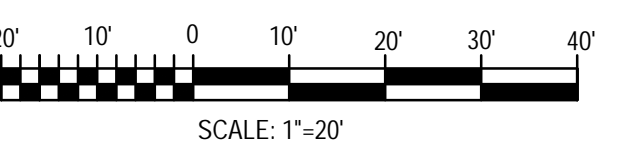
WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-02

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 149+50 SEE SHEET 24A-02

MATCH LINE STA. 155+00 SEE SHEET 24A-04



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
**JACOBS**  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

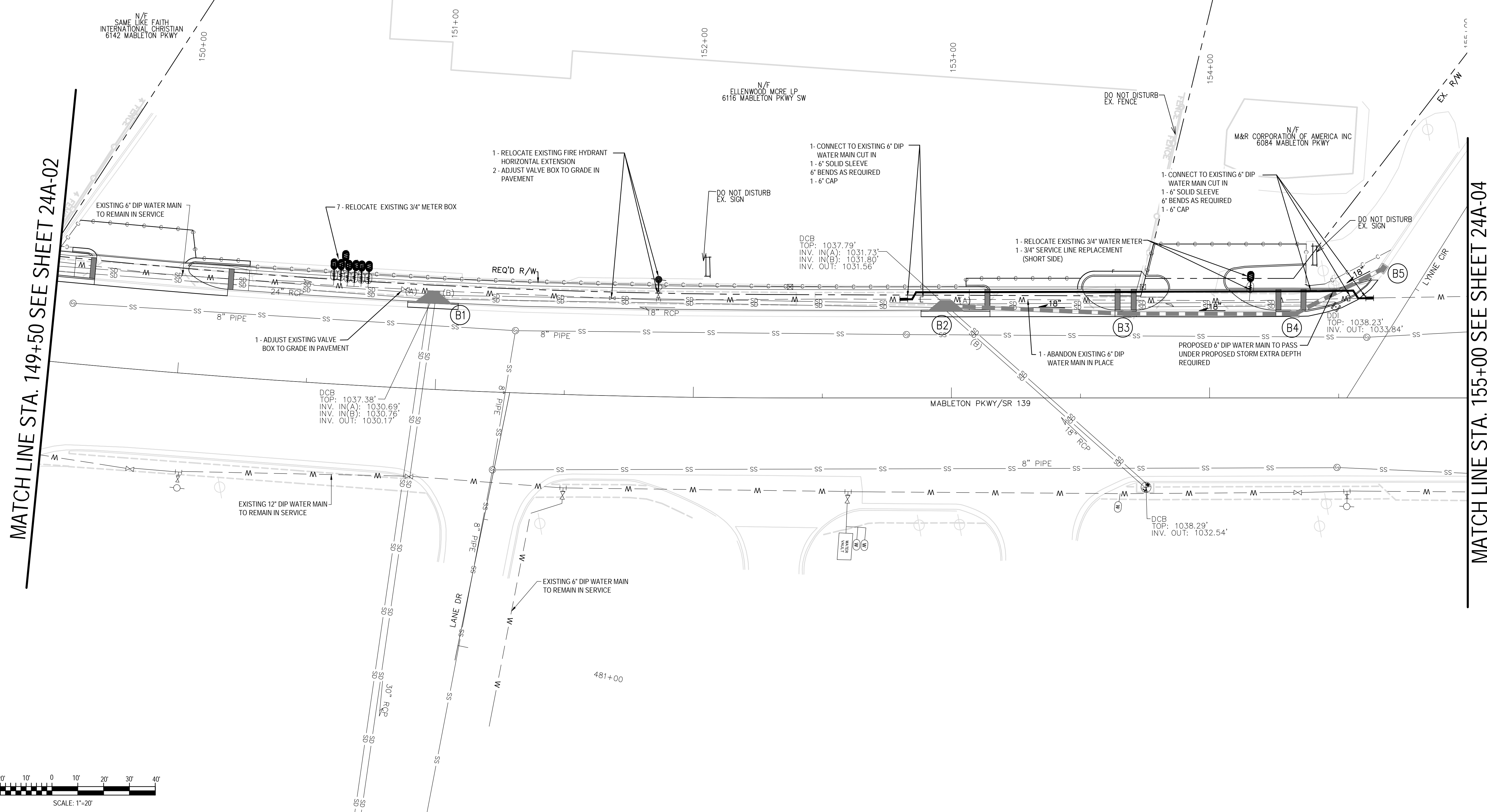
NO.	DATE	REVISIONS

## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

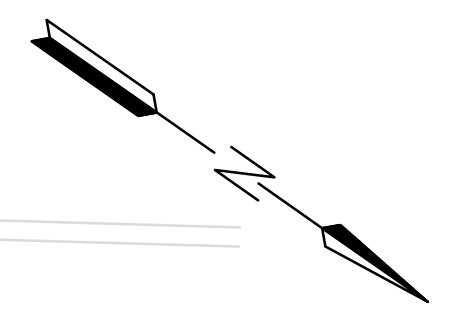
THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA

WATER SYSTEM PROGRAM NO.  
W4458  
DRAWING NO.  
24A-03



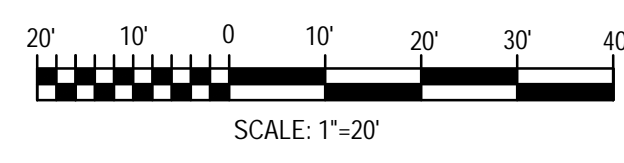
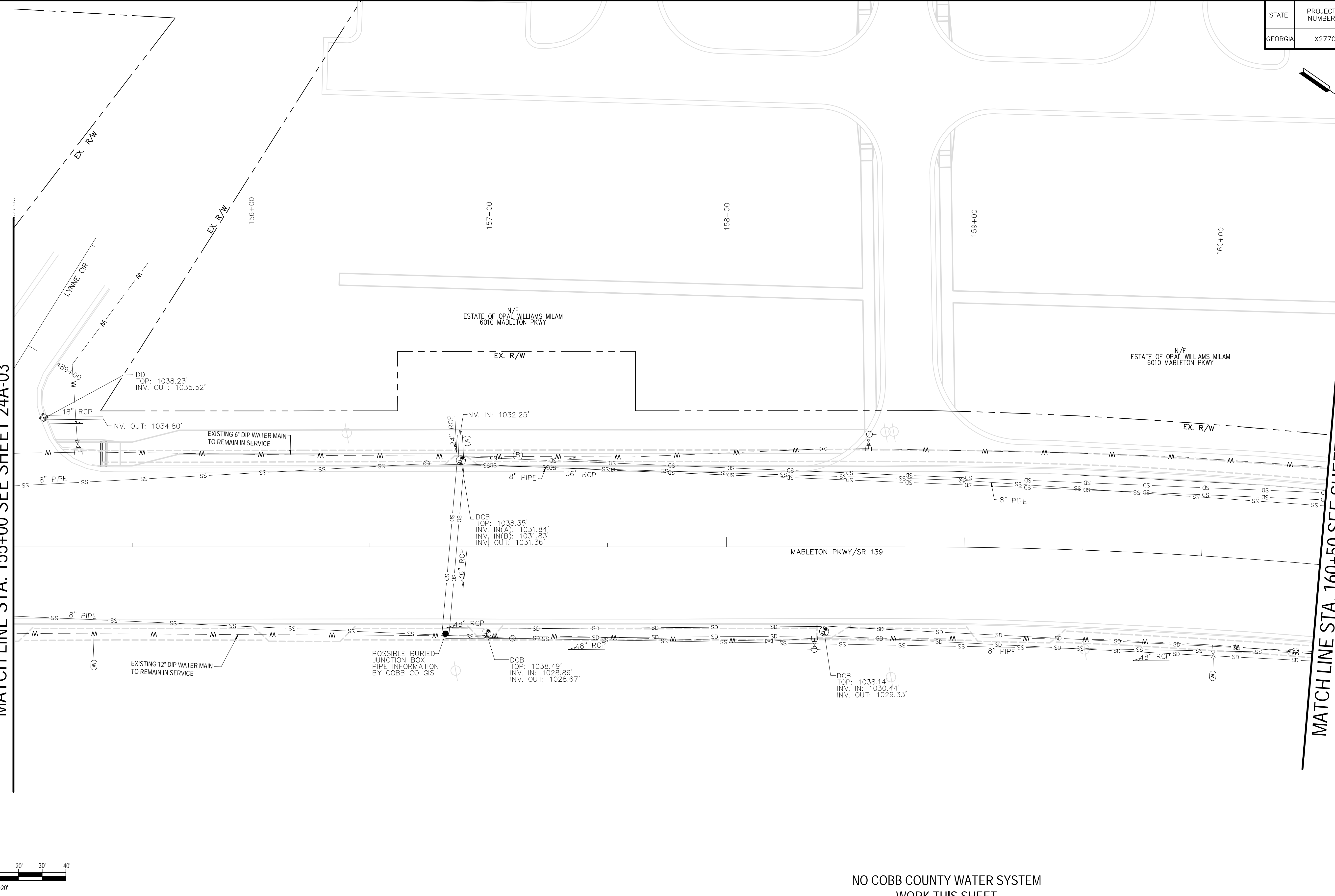


STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		

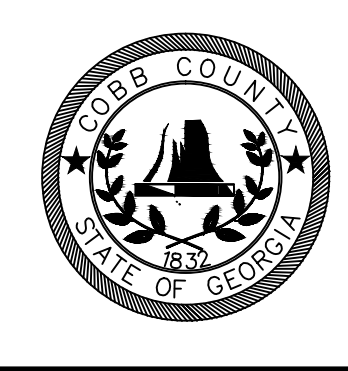


MATCH LINE STA. 155+00 SEE SHEET 24A-03

MATCH LINE STA. 160+50 SEE SHEET 24A-05



NO COBB COUNTY WATER SYSTEM  
WORK THIS SHEET



## Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

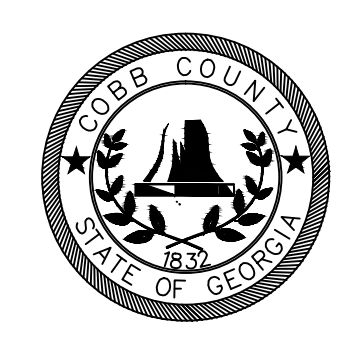
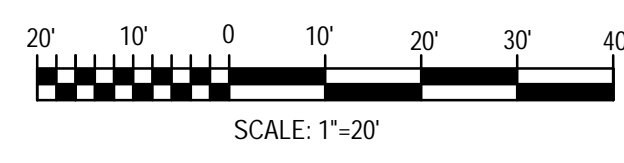
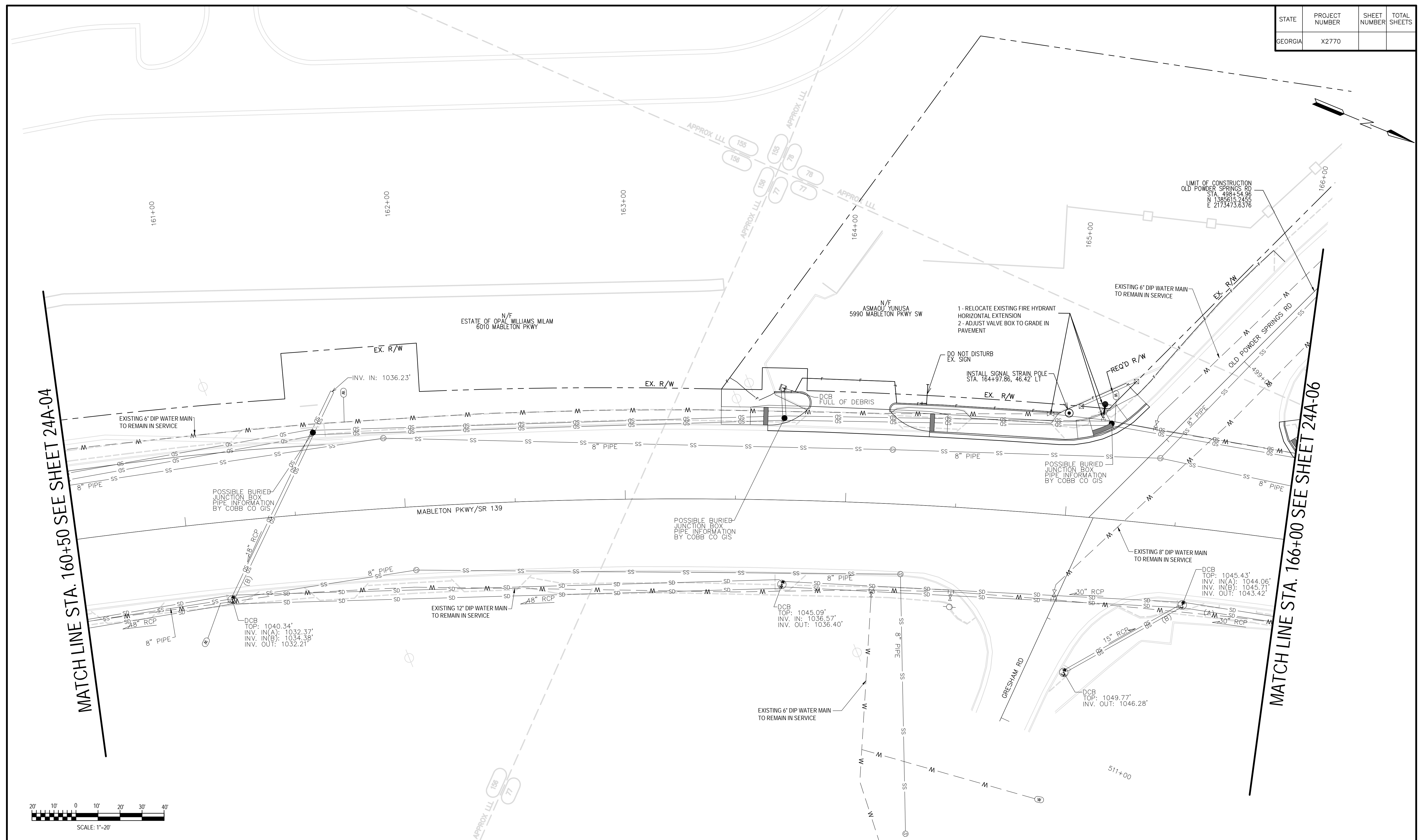
## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS  
36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT,  
OF COBB COUNTY, GEORGIA

WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-04

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

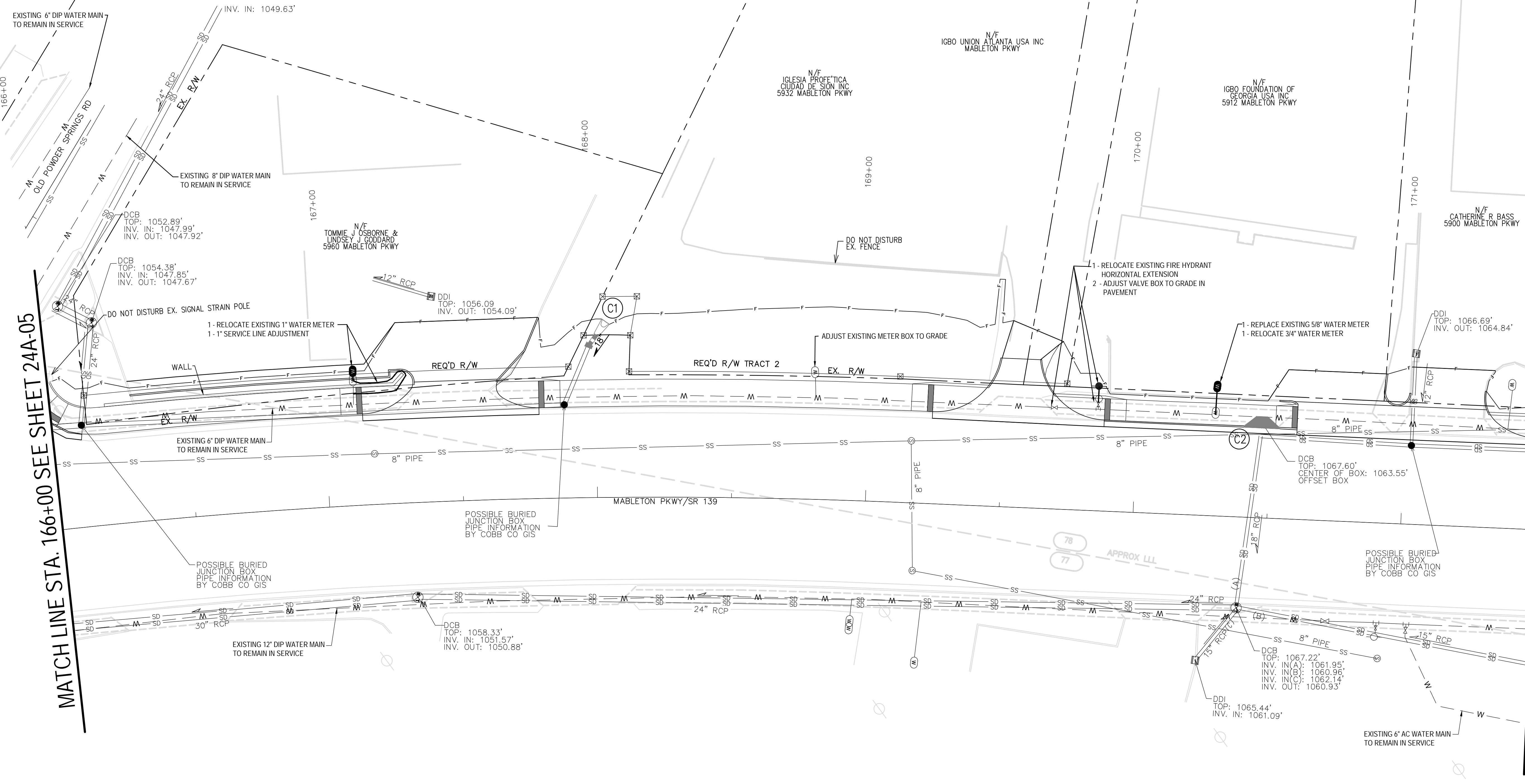
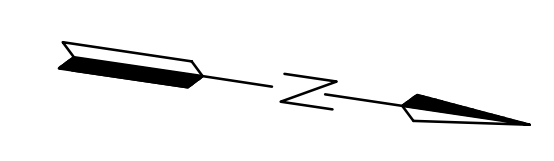
## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA

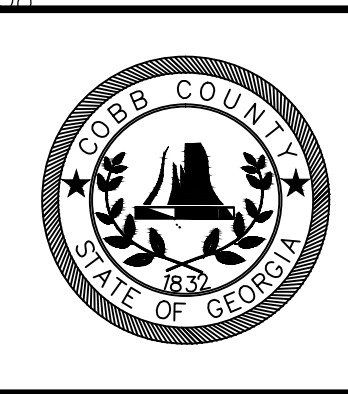
WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-05

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 166+00 SEE SHEET 24A-05

MATCH LINE STA. 171+50 SEE SHEET 24A-07



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

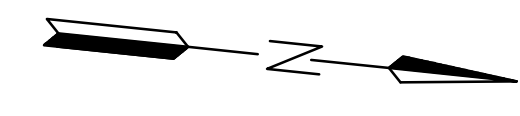
## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA

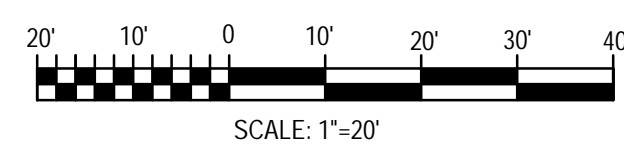
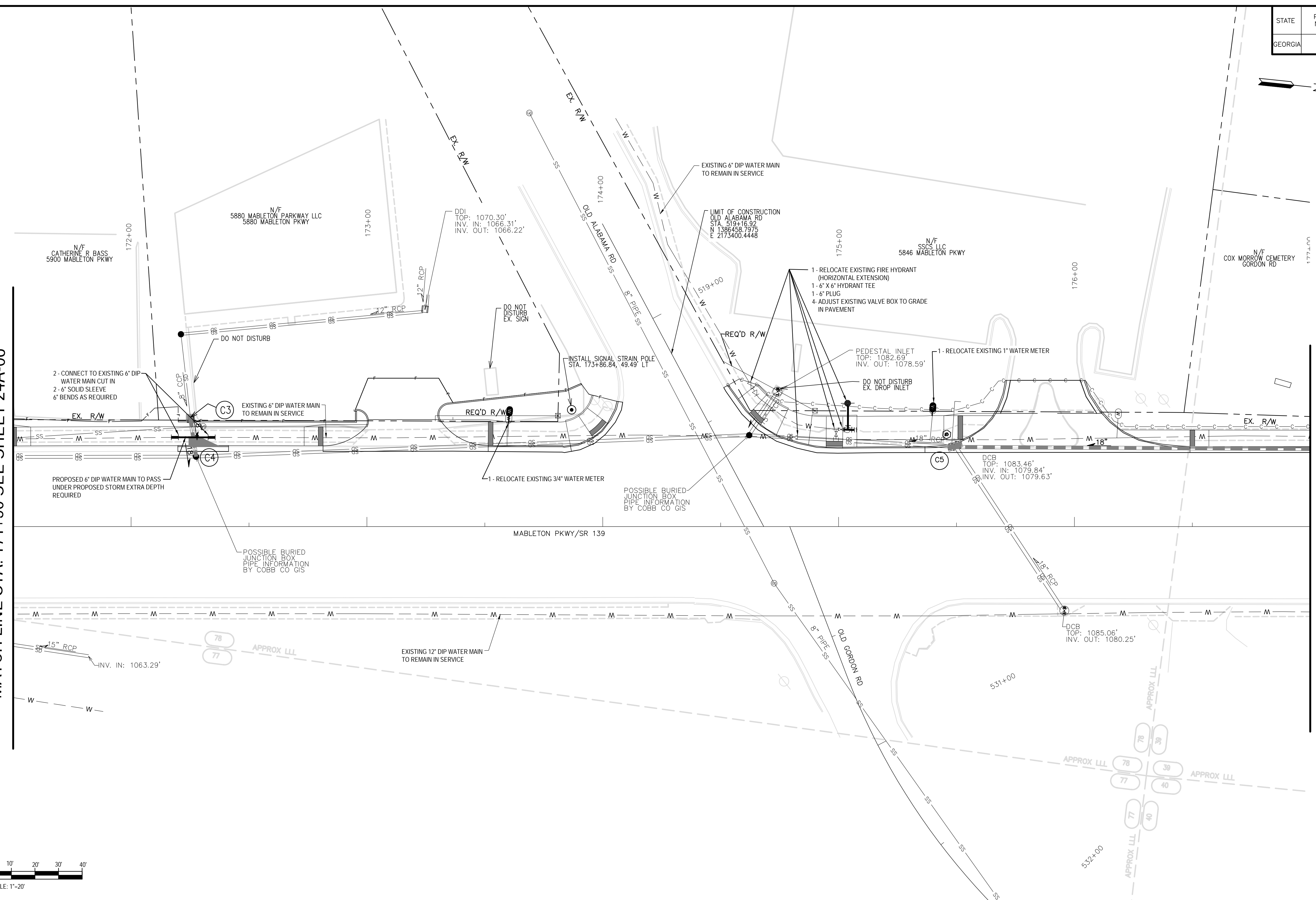
WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-06

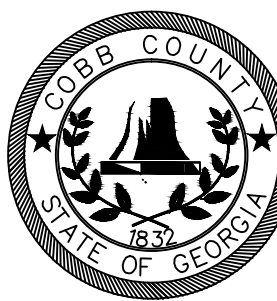
STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 171+50 SEE SHEET 24A-06

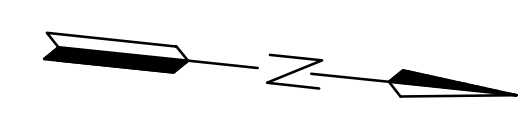
MATCH LINE STA. 177+00 SEE SHEET 24A-08



	<h2 style="margin: 0;">Cobb County Water System</h2> <p style="font-size: small; margin: 0;">660 South Cobb Drive Marietta, Georgia 30060-3105 Phone (770) 419-6200</p>	DESIGNED BY: M. MACKAY DRAWN BY: M. ROBERSON REVIEWED BY: A. KENNEDY APPROVED BY: W. COLLINS DATE: OCTOBER 2022 SCALE: AS SHOWN	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 5%;">DATE</th> <th style="width: 90%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS													<h1 style="margin: 0;">WATER SYSTEM PLANS</h1>	<h2 style="margin: 0;">MABLETON PKWY TRAIL PHASE II</h2> <p style="font-size: x-small; margin: 0;">THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA</p>	WATER SYSTEM PROGRAM NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">W4458</div> DRAWING NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">24A-07</div>
	NO.	DATE	REVISIONS																		
PREPARED BY: JACOBS Cobb County Water System Construction Management Services Phone: (770) 419-6365 Fax: (770) 419-6335																					

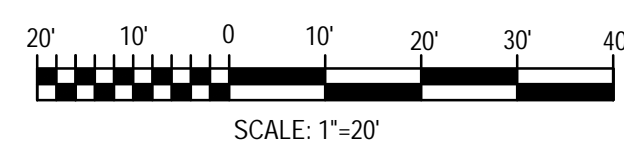
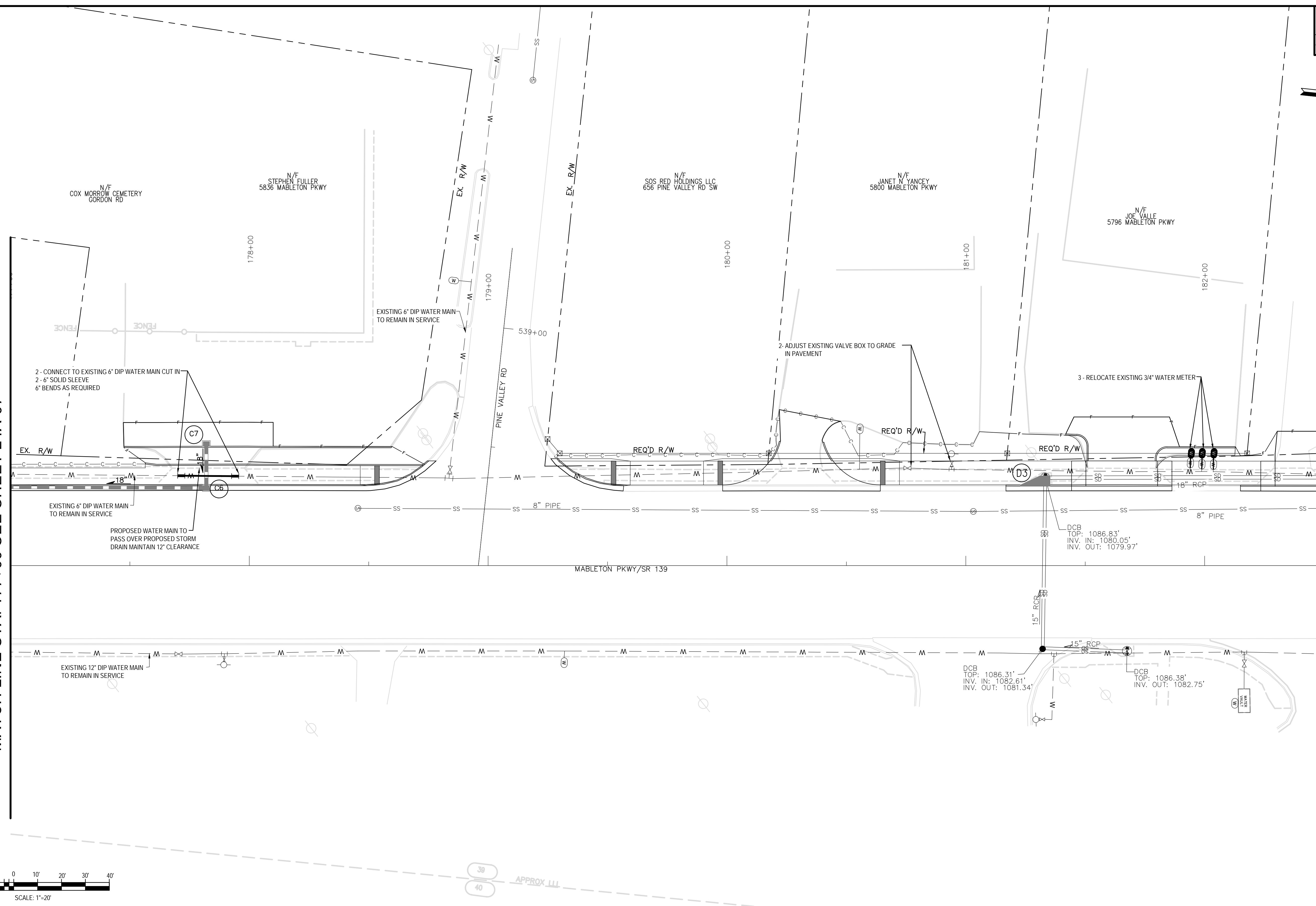
Date: 10/26/22 File: 24A-07 WATER SYSTEM PLANS.DWG


STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



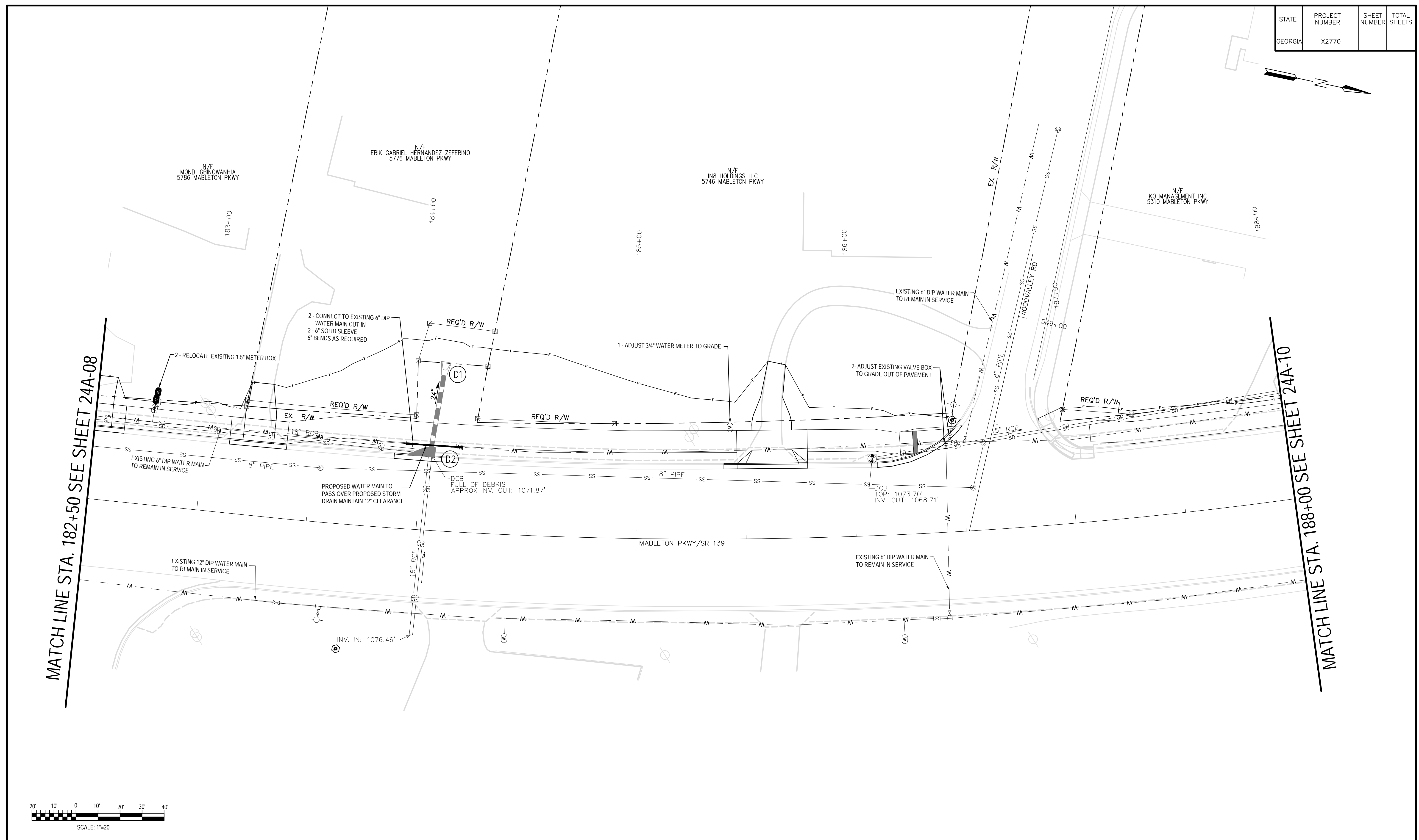
MATCH LINE STA. 177+00 SEE SHEET 24A-07

MATCH LINE STA. 182+50 SEE SHEET 24A-09



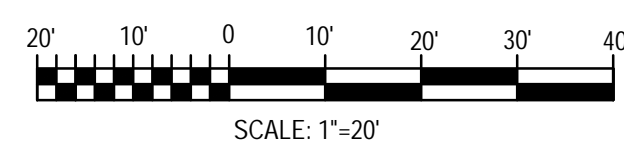
	<h2 style="margin: 0;">Cobb County Water System</h2> <p style="font-size: small; margin: 0;">660 South Cobb Drive Marietta, Georgia 30060-3105 Phone (770) 419-6200</p>	DESIGNED BY: M. MACKAY DRAWN BY: M. ROBERSON REVIEWED BY: A. KENNEDY APPROVED BY: W. COLLINS DATE: OCTOBER 2022 SCALE: AS SHOWN	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 5%;">DATE</th> <th style="width: 90%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS													<h1 style="margin: 0;">WATER SYSTEM PLANS</h1>	<h2 style="margin: 0;">MABLETON PKWY TRAIL PHASE II</h2> <p style="font-size: x-small; margin: 0;">THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">WATER SYSTEM PROGRAM NO.</td> <td style="width: 50%;">W4458</td> </tr> <tr> <td>DRAWING NO.</td> <td>24A-08</td> </tr> </table>	WATER SYSTEM PROGRAM NO.	W4458	DRAWING NO.	24A-08
	NO.	DATE	REVISIONS																						
WATER SYSTEM PROGRAM NO.	W4458																								
DRAWING NO.	24A-08																								
PREPARED BY: JACOBS Cobb County Water System Construction Management Services Phone: (770) 419-6365 Fax: (770) 419-6335		File name: 24A-08 WATER SYSTEM PLANS.DWG Date: 10/24/22 Time: 1:26 PM																							


STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



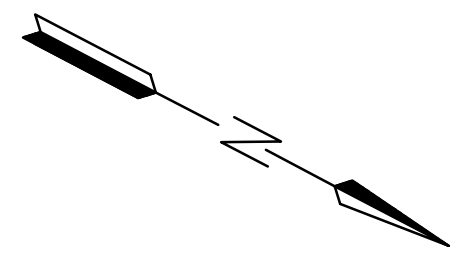
MATCH LINE STA. 182+50 SEE SHEET 24A-08

MATCH LINE STA. 188+00 SEE SHEET 24A-10



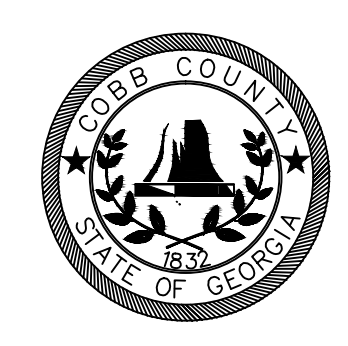
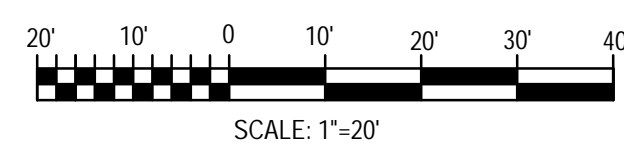
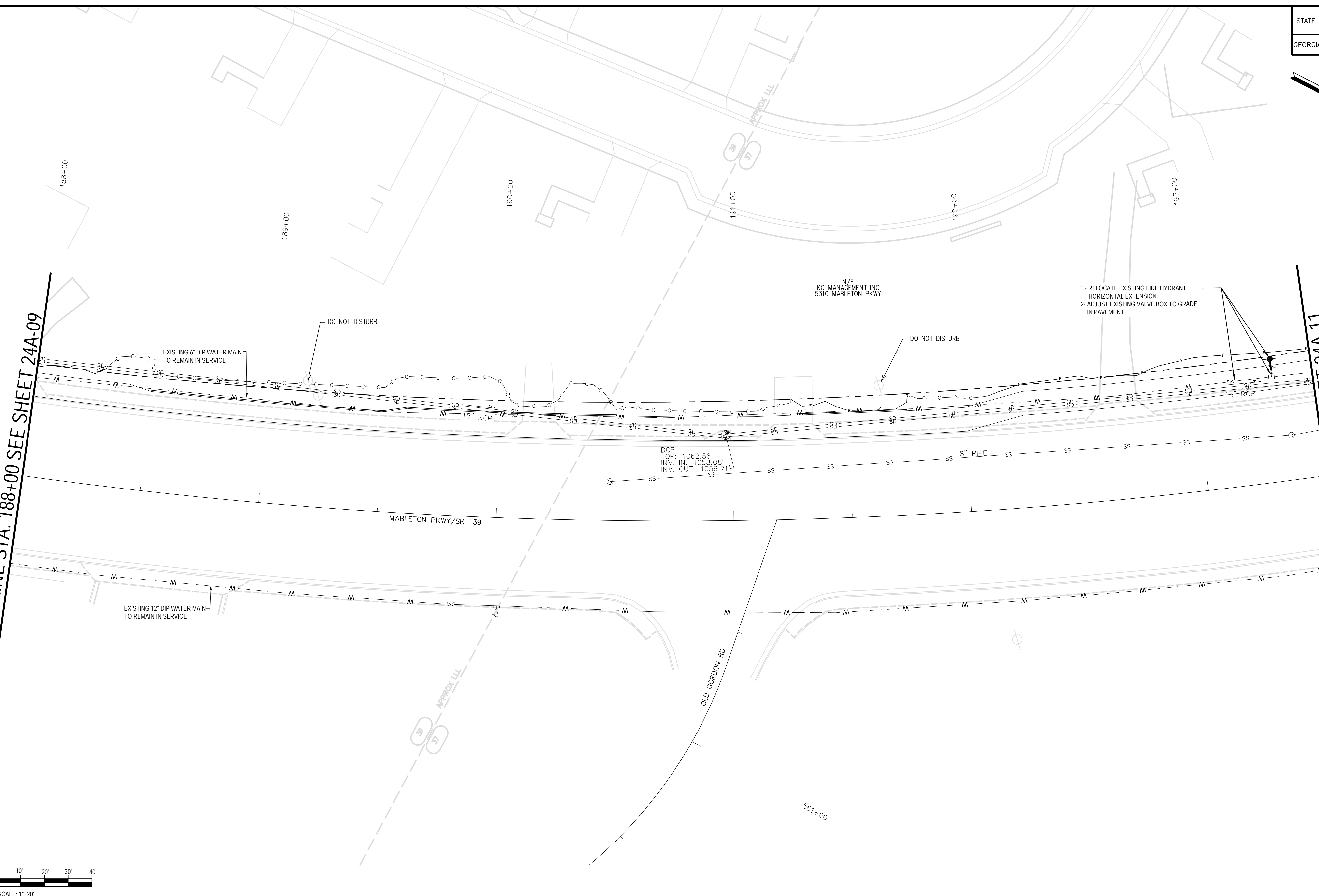
	<h2 style="margin: 0;">Cobb County Water System</h2> <p style="font-size: small; margin: 0;">660 South Cobb Drive Marietta, Georgia 30060-3105 Phone (770) 419-6200</p>	DESIGNED BY: M. MACKAY DRAWN BY: M. ROBERSON REVIEWED BY: A. KENNEDY APPROVED BY: W. COLLINS DATE: OCTOBER 2022 SCALE: AS SHOWN	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS													<h1 style="margin: 0;">WATER SYSTEM PLANS</h1>	<h2 style="margin: 0;">MABLETON PKWY TRAIL PHASE II</h2> <p style="font-size: x-small; margin: 0;">THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA</p>	WATER SYSTEM PROGRAM NO. <p style="text-align: center;">W4458</p> DRAWING NO. <p style="text-align: center;">24A-09</p>
	NO.	DATE	REVISIONS																		
PREPARED BY: <b>JACOBS</b> Cobb County Water System Construction Management Services Phone: (770) 419-6365 Fax: (770) 419-6335		File name: 24A-09 WATER SYSTEM PLANS.DWG Date: 10/26/22 Time: 1:27 PM																			

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 188+00 SEE SHEET 24A-09

MATCH LINE STA. 193+50 SEE SHEET 24A-11



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

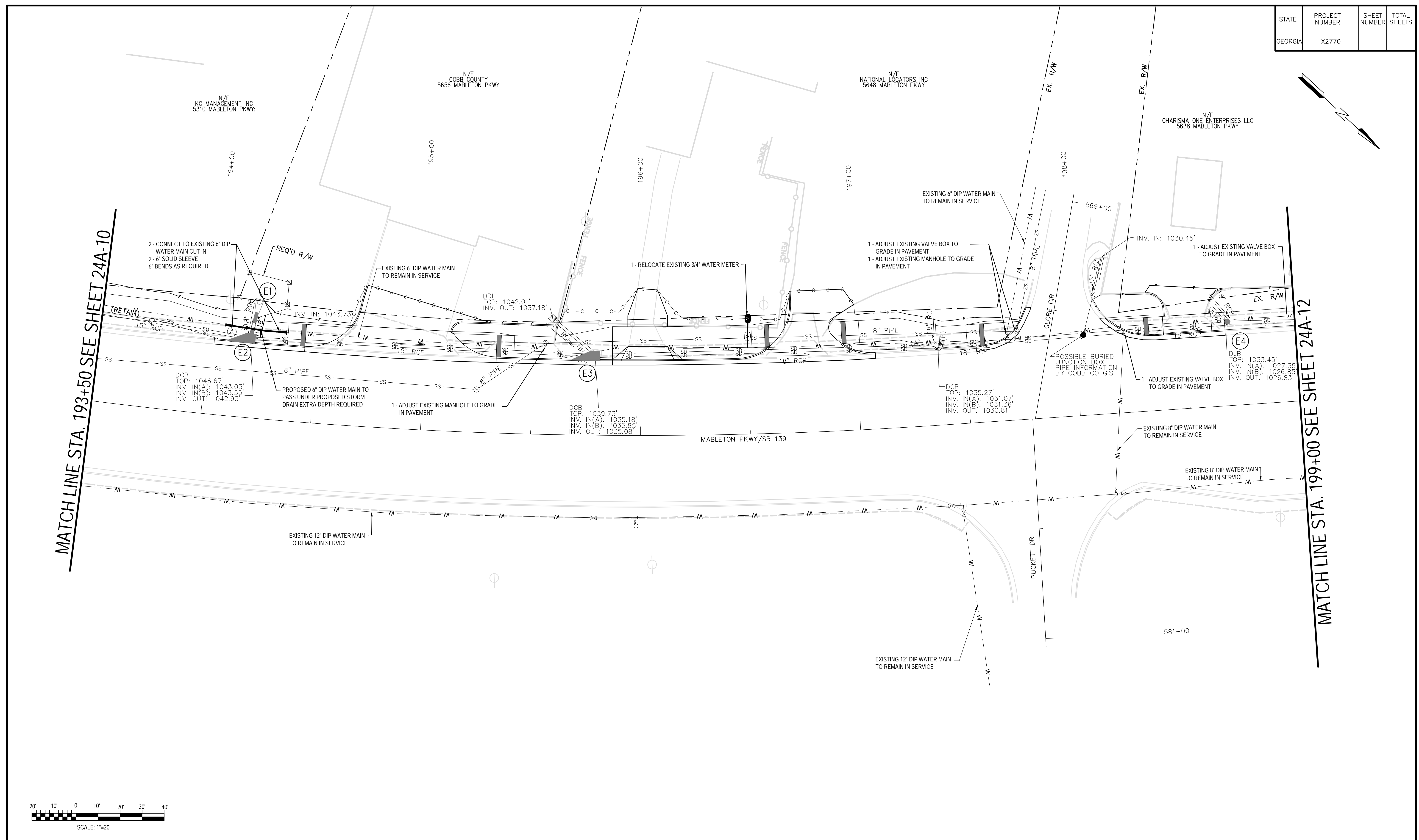
## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA

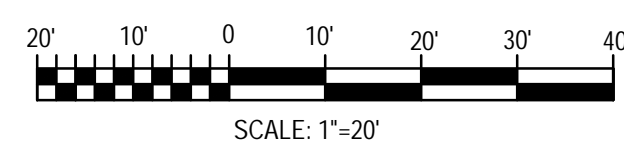
WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-10


STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 193+50 SEE SHEET 24A-10

MATCH LINE STA. 199+00 SEE SHEET 24A-12



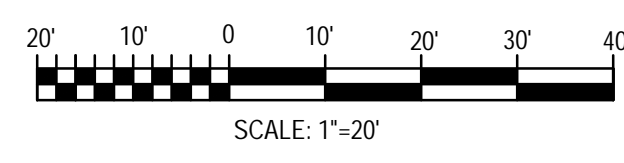
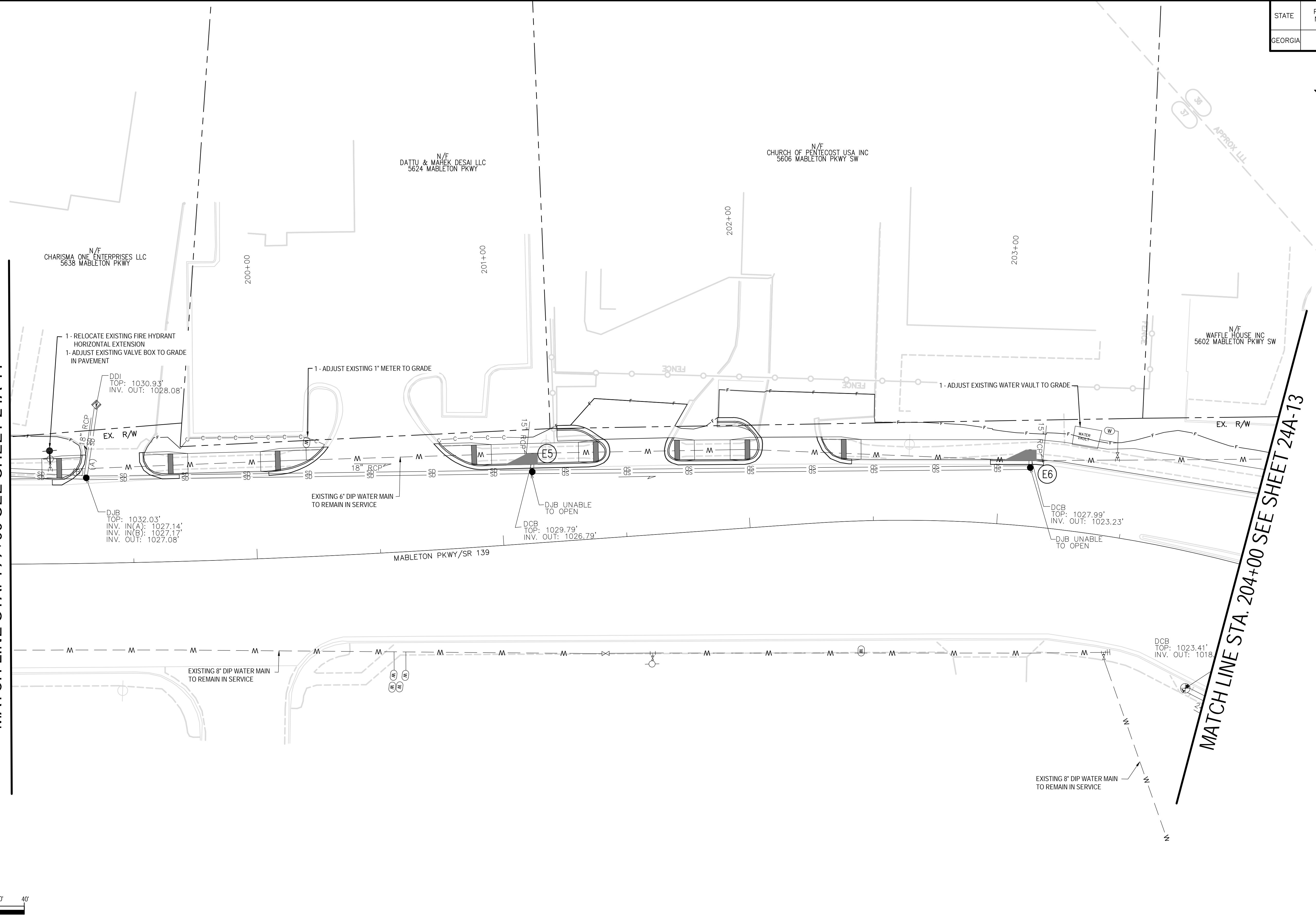
	<h2 style="margin: 0;">Cobb County Water System</h2> <p style="font-size: small; margin: 0;">660 South Cobb Drive Marietta, Georgia 30060-3105 Phone (770) 419-6200</p>	DESIGNED BY: M. MACKAY DRAWN BY: M. ROBERSON REVIEWED BY: A. KENNEDY APPROVED BY: W. COLLINS DATE: OCTOBER 2022 SCALE: AS SHOWN	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS													<h1 style="margin: 0;">WATER SYSTEM PLANS</h1>	<h2 style="margin: 0;">MABLETON PKWY TRAIL PHASE II</h2> <p style="font-size: x-small; margin: 0;">THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA</p>	WATER SYSTEM PROGRAM NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">W4458</div> DRAWING NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">24A-11</div>
	NO.	DATE	REVISIONS																		
PREPARED BY: <b>JACOBS</b> Cobb County Water System Construction Management Services Phone: (770) 419-6365 Fax: (770) 419-6335		File name: 24A-11 WATER SYSTEM PLANS.DWG Date: 10/26/22 Time: 1:29 PM																			

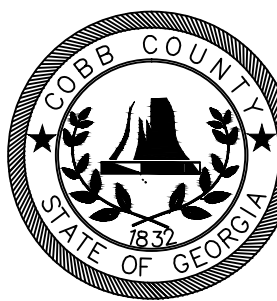


STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		

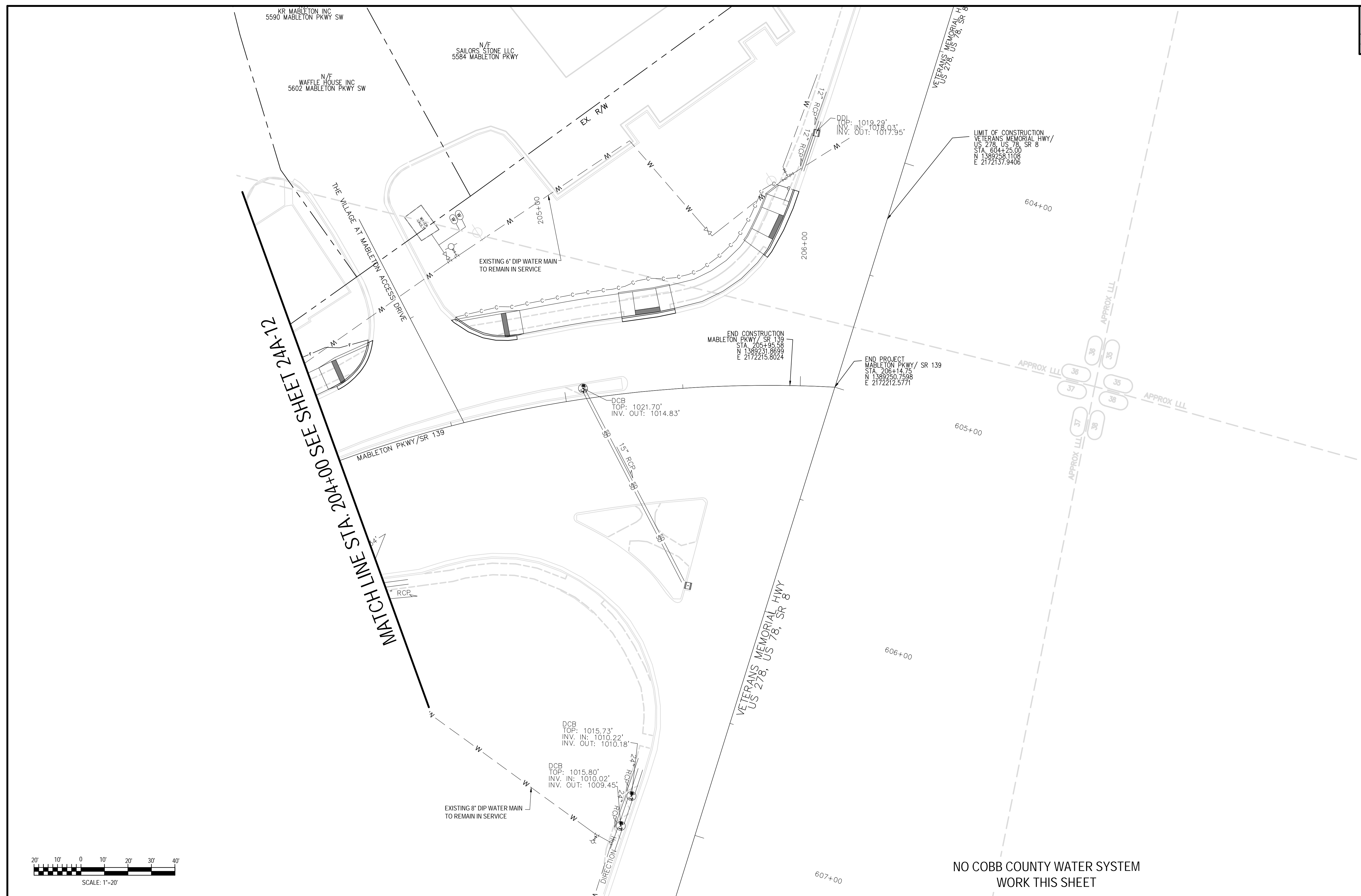
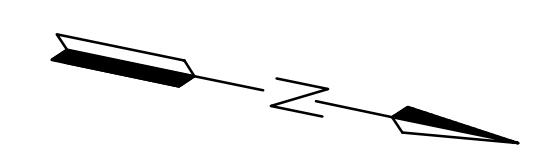
MATCH LINE STA. 199+00 SEE SHEET 24A-11

MATCH LINE STA. 204+00 SEE SHEET 24A-13



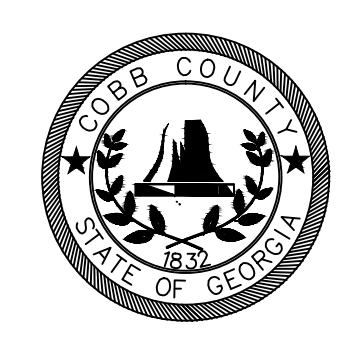
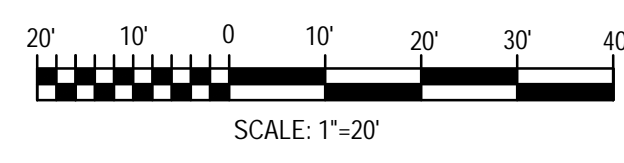
	<h2 style="margin: 0;">Cobb County Water System</h2> <p style="font-size: small; margin: 5px 0;">660 South Cobb Drive Marietta, Georgia 30060-3105 Phone (770) 419-6200</p>	DESIGNED BY: M. MACKAY DRAWN BY: M. ROBERSON REVIEWED BY: A. KENNEDY APPROVED BY: W. COLLINS DATE: OCTOBER 2022 SCALE: AS SHOWN	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 85%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS													<h1 style="margin: 0;">WATER SYSTEM PLANS</h1>	<h2 style="margin: 0;">MABLETON PKWY TRAIL PHASE II</h2> <p style="font-size: x-small; margin: 5px 0;">THIS PROJECT IS LOCATED IN LAND LOTS 36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT, OF COBB COUNTY, GEORGIA</p>	WATER SYSTEM PROGRAM NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">W4458</div> DRAWING NO. <div style="text-align: center; border: 1px solid black; padding: 2px;">24A-12</div>
	NO.	DATE	REVISIONS																		
PREPARED BY: JACOBS Cobb County Water System Construction Management Services Phone: (770) 419-6365 Fax: (770) 419-6335		File name: 24A-12 WATER SYSTEM PLANS.DWG Date: 10/26/22 Time: 1:32 PM																			

STATE	PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
GEORGIA	X2770		



MATCH LINE STA. 204+00 SEE SHEET 24A-12

NO COBB COUNTY WATER SYSTEM  
WORK THIS SHEET



# Cobb County Water System

660 South Cobb Drive  
Marietta, Georgia 30060-3105  
Phone (770) 419-6200

PREPARED BY:  
JACOBS  
Cobb County Water System  
Construction Management Services  
Phone: (770) 419-6365  
Fax: (770) 419-6335

DESIGNED BY: M. MACKAY  
DRAWN BY: M. ROBERSON  
REVIEWED BY: A. KENNEDY  
APPROVED BY: W. COLLINS  
DATE: OCTOBER 2022  
SCALE: AS SHOWN

NO.	DATE	REVISIONS

## WATER SYSTEM PLANS

### MABLETON PKWY TRAIL PHASE II

THIS PROJECT IS LOCATED IN LAND LOTS  
36, 37, 39, 77, 78, 156, 189, AND 190 OF THE 17th AND 18th DISTRICT,  
OF COBB COUNTY, GEORGIA

WATER SYSTEM PROGRAM NO.	W4458
DRAWING NO.	24A-13



SIGNING AND PAVEMENT MARKING GENERAL NOTES

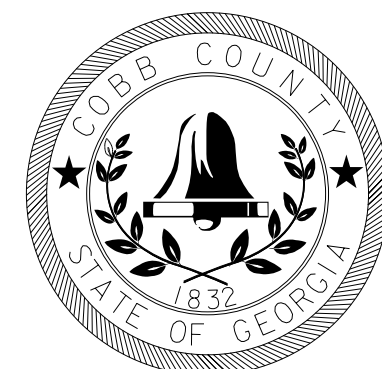
1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD), LATEST EDITION, AND ANY APPLICABLE COBB COUNTY STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS, UNLESS SPECIFIED IN THE SIGNING AND PAVEMENT MARKING GENERAL NOTES.
4. RAISED PAVEMENT MARKERS (RPMs) SHALL BE PROVIDED PER GEORGIA DEPARTMENT OF TRANSPORTATION DETAIL T-15A.
5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, OR PREFORMED PLASTIC CONTRAST TAPE ON CONCRETE SURFACES, UNLESS OTHERWISE NOTED.
6. TYPE 11 RETROREFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS.
7. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY. THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.
8. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE TYPE 7 (2" 14 GAUGE) STEEL GALVANIZED POSTS, AS DIRECTED IN GEORGIA DEPARTMENT OF TRANSPORTATION INSTALLATION DETAIL T-3A. WHERE STREET BLADES (D3-1 'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1 'S), THESE BLADES SHALL BE ATTACHED DIRECTLY TO THE POST ABOVE THE R1-1. EACH STREET SHALL HAVE TWO SINGLE-SIDED BLADES INSTALLED BACK-TO-BACK ON THE OUTSIDE OF THE POST AND FASTENED AT THE EDGES.
9. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM COBB COUNTY DEPARTMENT OF TRANSPORTATION.
10. IN RESIDENTIAL AREAS SIGNS SHALL BE LOCATED ON, OR AS CLOSE AS POSSIBLE TO, PROPERTY LINES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
12. ALL R4-7 (KEEP RIGHT) SIGNS SHALL BE INSTALLED 10 FEET FROM THE END (BULLNOSES) OF MEDIANS. 0M-3L SIGNS SHALL BE INSTALLED UNDER R4-7 SIGNS. PVC PIPE (6-INCH DIAMETER) IS REQUIRED FOR INSTALLING R4-7/0M-3L SIGN AND ANY OTHER SIGN POSTS WHEN MEDIANS ARE CONCRETE OR SOME OTHER IMPERVIOUS SURFACE. PVC PIPE SHALL NOT EXTEND ABOVE MEDIAN SURFACE MORE THAN 4 INCHES. QUIKRETE OR EQUIVALENT QUICK SETTING CONCRETE SHALL BE USED TO BACK FILL THE PVC HOLE.
13. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. SUPPLEMENTARY LETTERING TO INDICATE TYPE OF ROAD (SUCH AS ST OR RD) SHALL BE OF THE SAME LETTERING SIZE AS THE STREET NAME, AS DIRECTED BELOW. ALL D3'S SHALL BE "WHITE ON GREEN", EXCEPT PRIVATE ROADS WHICH SHALL BE "WHITE ON BLUE."
 

LOCAL ROAD D3'S (NOT ON COUNTY'S MAJOR THOROUGHFARE PLAN) - 6 IN METAL BLADE, 4-INCH INITIAL UPPER-CASE, 3-INCH LOWER CASE, SERIES "C". SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 46 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.

MAJOR THOROUGHFARE PLAN ROAD D3'S - 9-INCH METAL BLADE, 6-INCH INITIAL UPPER-CASE, 4.5-INCH LOWER-CASE, 0.5-INCH WHITE BORDER, SERIES "C". SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 66 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS.

MULTI-LANE ROAD D3'S (45 MPH OR HIGHER) - 12-INCH METAL BLADE, 8-INCH INITIAL UPPER-CASE, 6-INCH LOWER-CASE, 0.5-INCH WHITE BORDER, SERIES "C". SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 66 INCHES. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS.

OVERHEAD D3'S (TYPICALLY AT SIGNALIZED INTERSECTIONS) - 18-INCH METAL BLADE, 12-INCH INITIAL UPPER-CASE, 9-INCH LOWER-CASE, 1-INCH WHITE BORDER, SERIES "C". ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES TO INTERSECTIONS. MAXIMUM SIGN LENGTH SHALL BE 120 INCHES (96 INCHES PREFERABLE).
14. ALL SIGNAL AHEAD (W3-3) CROSS ROAD (W2-1) AND SIDE ROAD (W2-2) SIGNS SHALL HAVE W16-8P BLACK ON YELLOW SUPPLEMENTAL PLAQUES INSTALLED BELOW THE WARNING SIGN ADVISING MOTORISTS OF THE NAME OF APPROACHING STREET(S). W16-8P SUPPLEMENTAL PLAQUES SHALL BE 9-INCH FOR ONE LINE WITH A 0.5-INCH BLACK INNER BORDER AND 0.5-INCH YELLOW OUTER BORDER, BLACK ON YELLOW. W16-8aP SUPPLEMENTAL PLAQUES SHALL BE 18-INCH FOR TWO LINES WITH A 0.6-INCH BLACK INNER BORDER AND 0.4-INCH YELLOW OUTER BORDER. ALL LETTERING SHALL BE 5-INCH SERIES "C", UPPER AND LOWER CASE. AT LOCATIONS WHERE STREETS CHANGE NAMES, 5-INCH ARROWS SHALL BE PROVIDED ON THE ADVISORY BLADES TO INDICATE THE CORRECT STREET NAME. SPACING RATIO SHALL BE 100% WHEN SIGN LENGTH DOES NOT EXCEED 48 INCHES.
15. PLANS SHALL INCLUDE SHEET(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.
17. ALL EXISTING PAVEMENT MARKINGS SHOWING TO BE REMOVED OR CONFLICTING WITH NEW PAVEMENT MARKINGS SHALL BE OBLITERATED BY HYDROBLASTING OR SANDBLASTING (GRINDING AND BLACKOUT PAINT ARE PROHIBITED).



PLANS PREPARED AND SUBMITTED BY: *James Griffin*

**AEI**

AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING

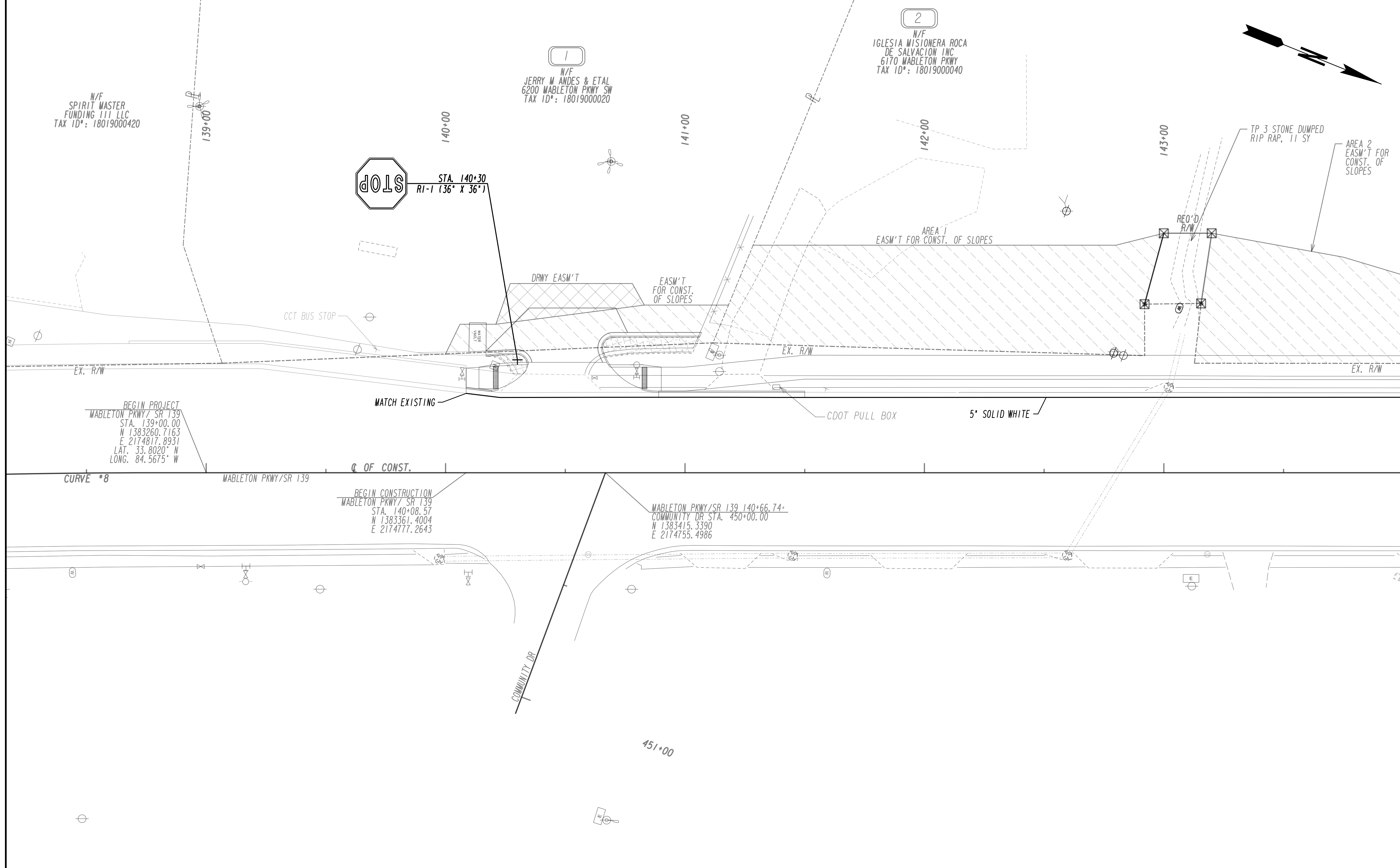
DESIGN CONSULTANT

65 Aberdeen Drive Glasgow, KY 42041 (502) 651-1220  
 560 Acworth Landing Drive Acworth, GA 30011 (770) 421-8422  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 345-3813

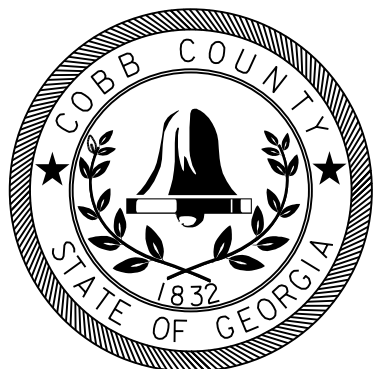
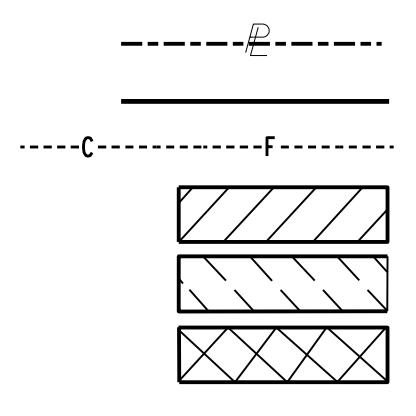
REVISION DATES


**SIGNING AND MARKING PLANS**  
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>26-0000</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

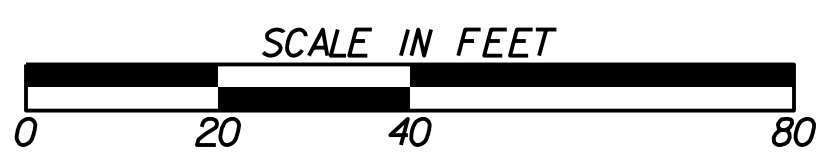


PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

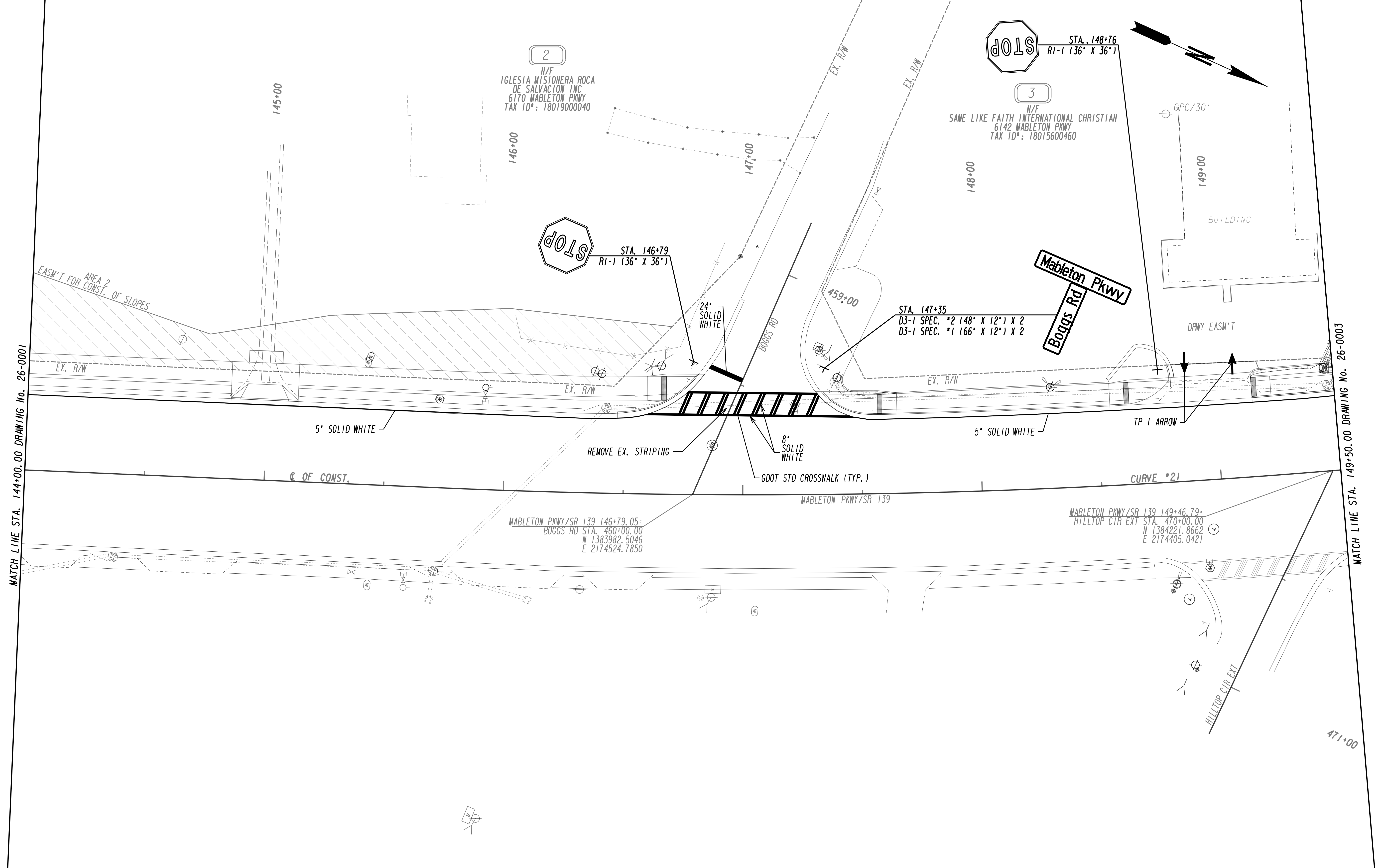
Professional Offices:  
 65 Aberdeen Drive, Glasgow, KY 42044 (502) 681-1220  
 960 Acworth Landing Drive, Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813



REVISION DATES	

SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

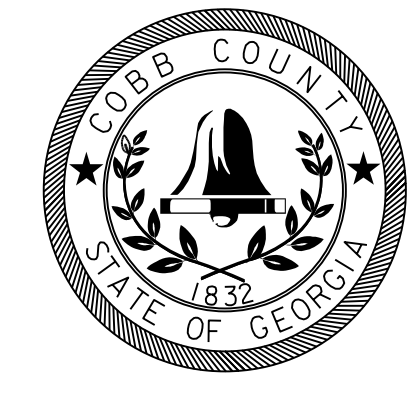
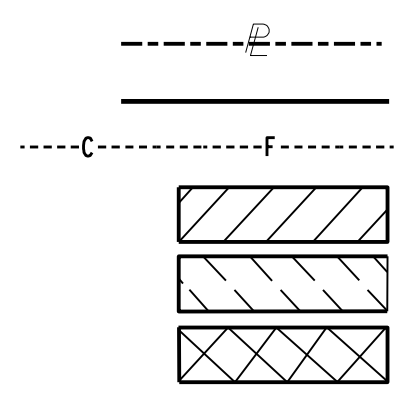
MATCH LINE STA. 144+00.00 DRAWING No. 26-0002



MATCH LINE STA. 144+00.00 DRAWING No. 26-0001

MATCH LINE STA. 149+50.00 DRAWING No. 26-0003

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

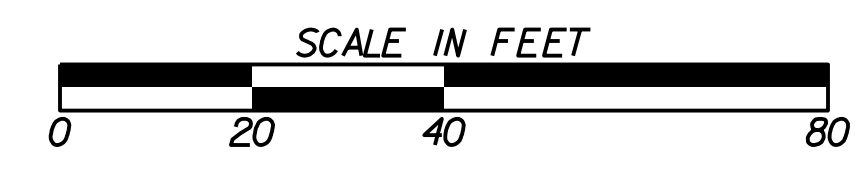


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

65 Aberdeen Drive  
 Glasgow, KY 42044  
 (502) 651-1220  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

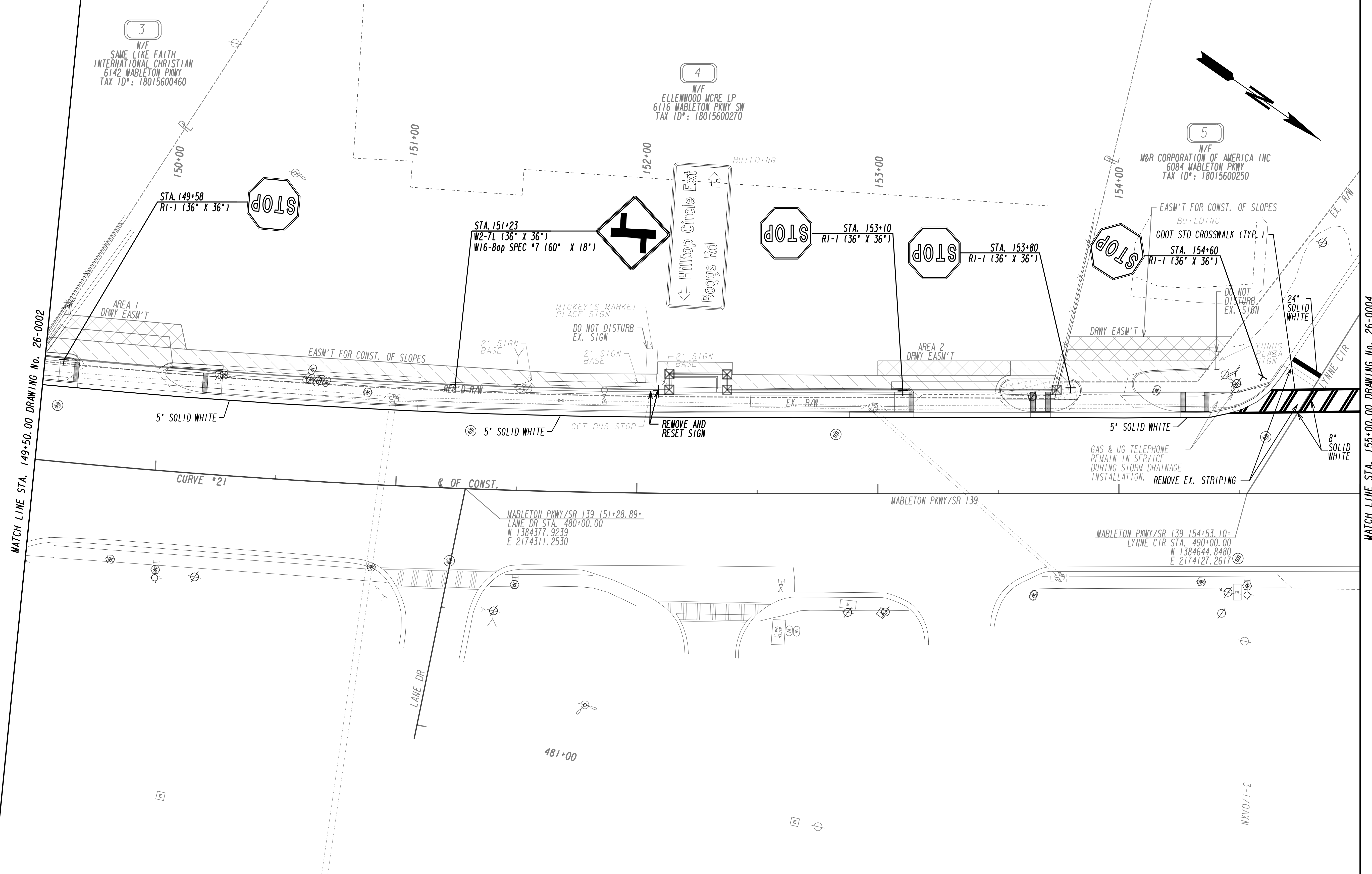
560 Acworth Landing Drive  
 Acworth, GA 30001  
 (770) 421-8422

PROFESSIONAL ENGINEERING

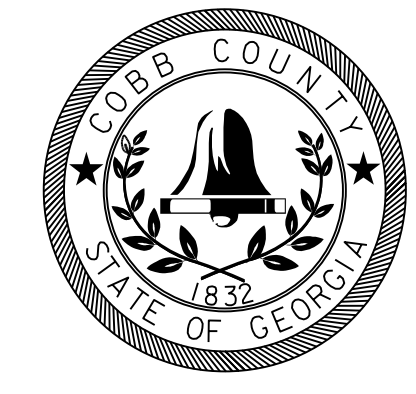


REVISION DATES	

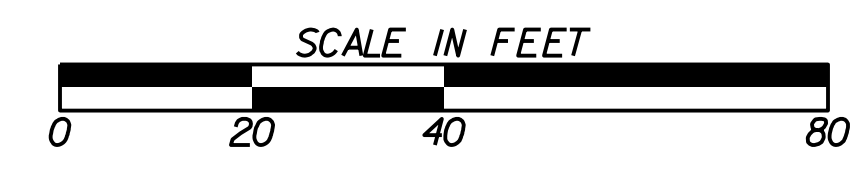
SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			26-0002



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



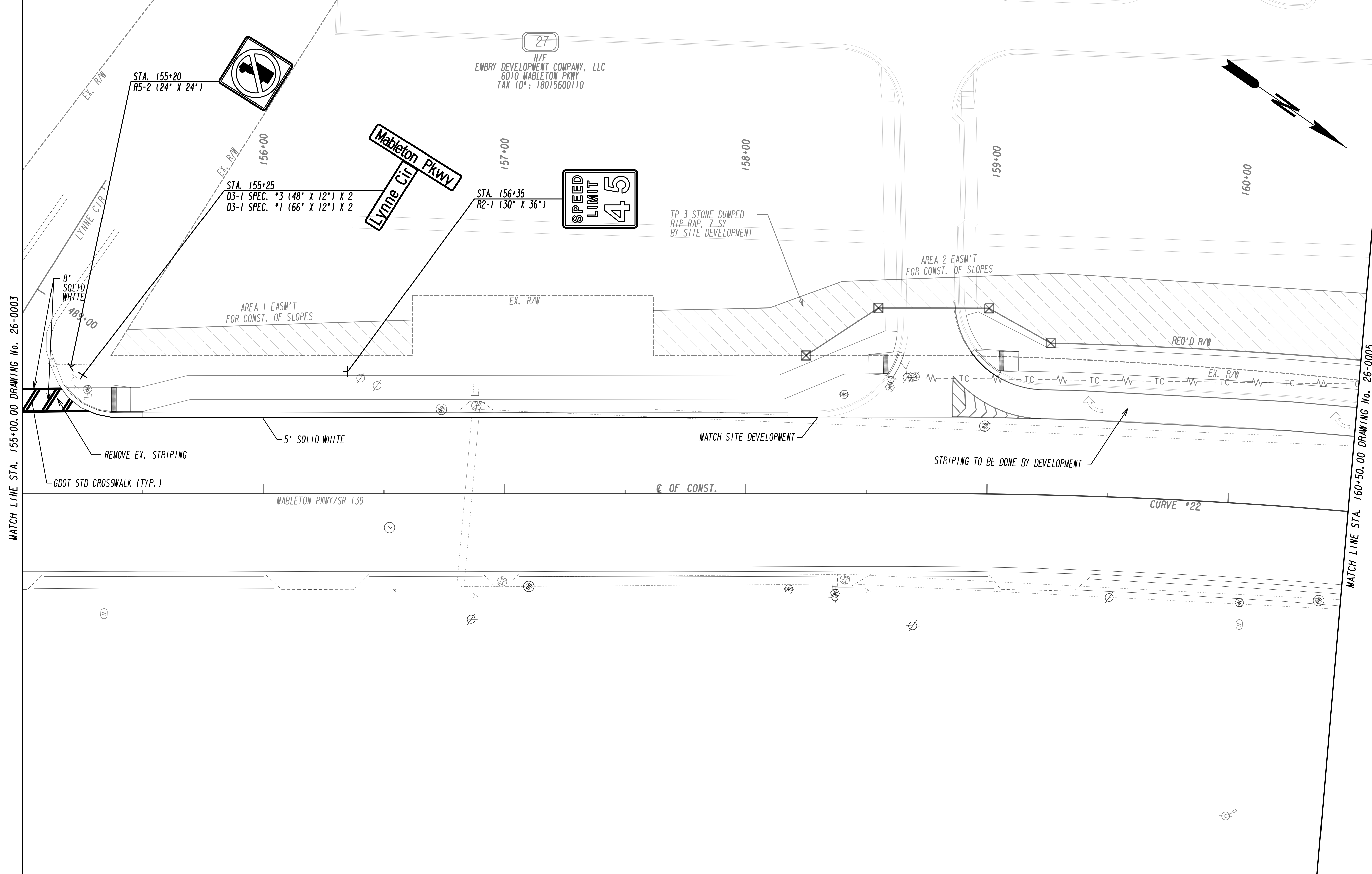
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



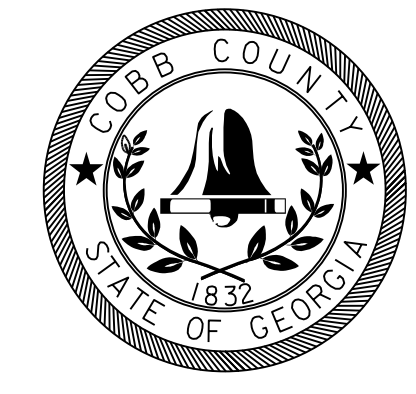
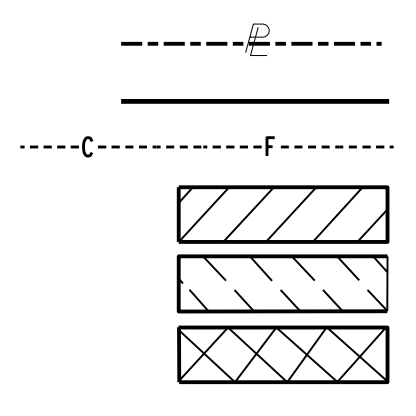
REVISION DATES	

**SIGNING AND MARKING PLANS**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>26-0003</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

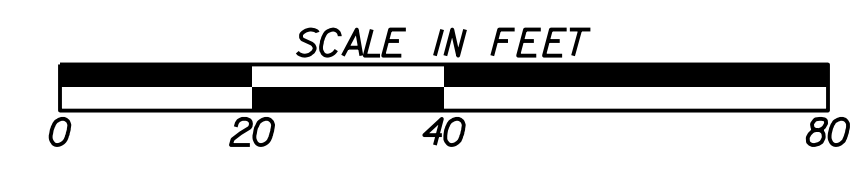


PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

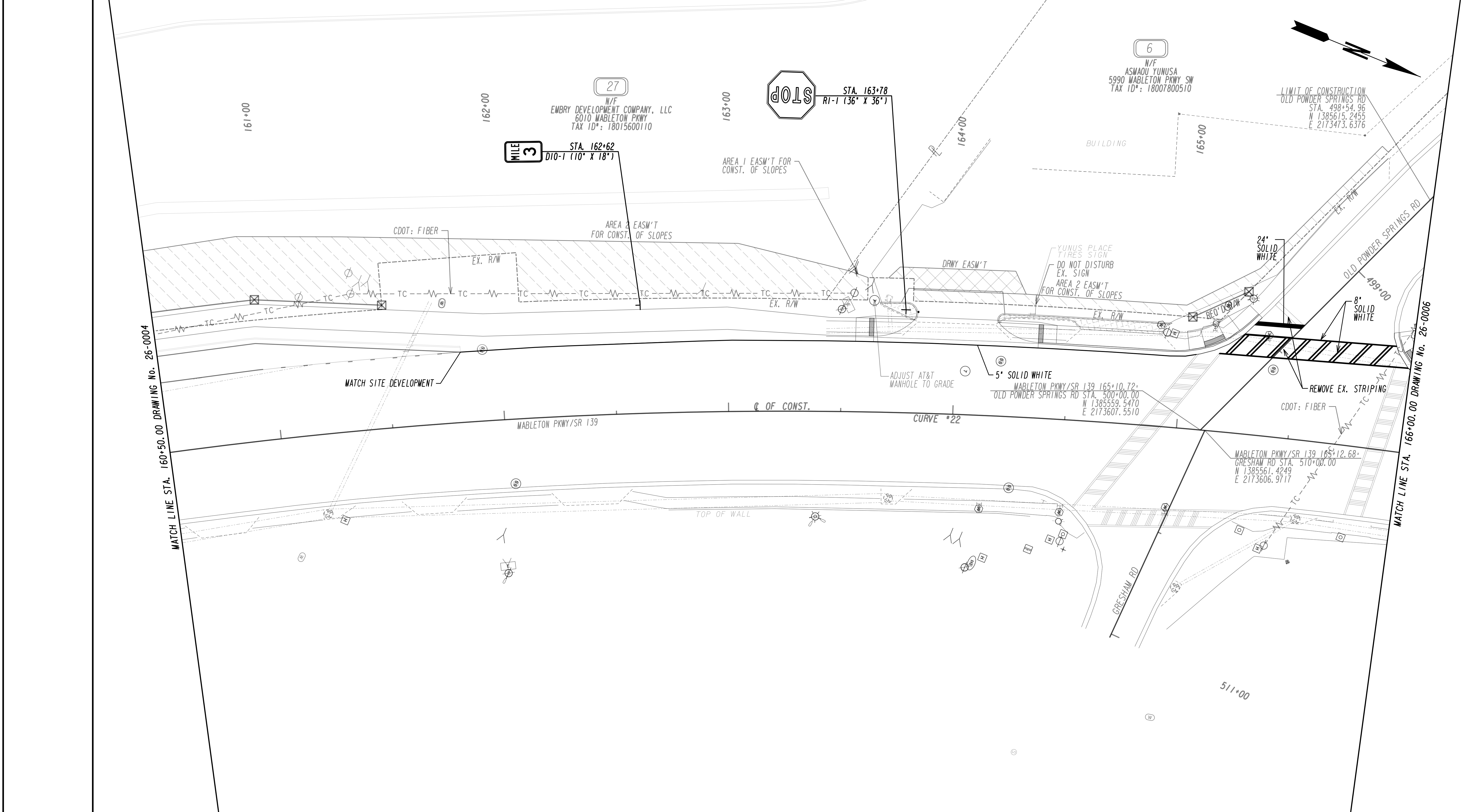


REVISION DATES	

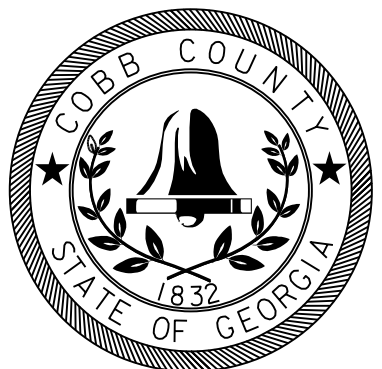
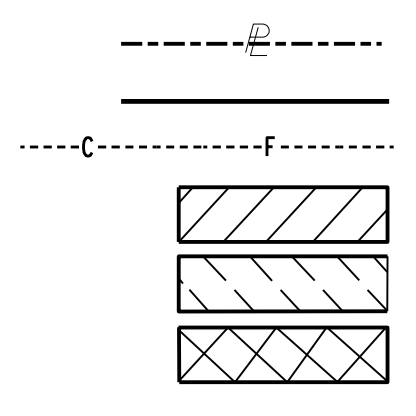
**SIGNING AND MARKING PLANS**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>26-0004</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





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

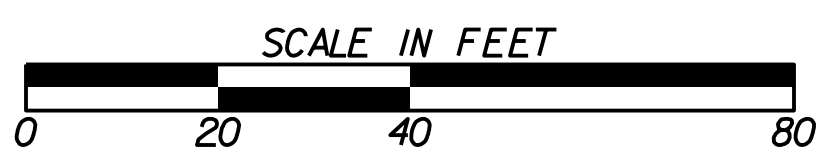


PLANS PREPARED AND SUBMITTED BY:

**AEI**  
 AMERICAN ENGINEERS, INC.

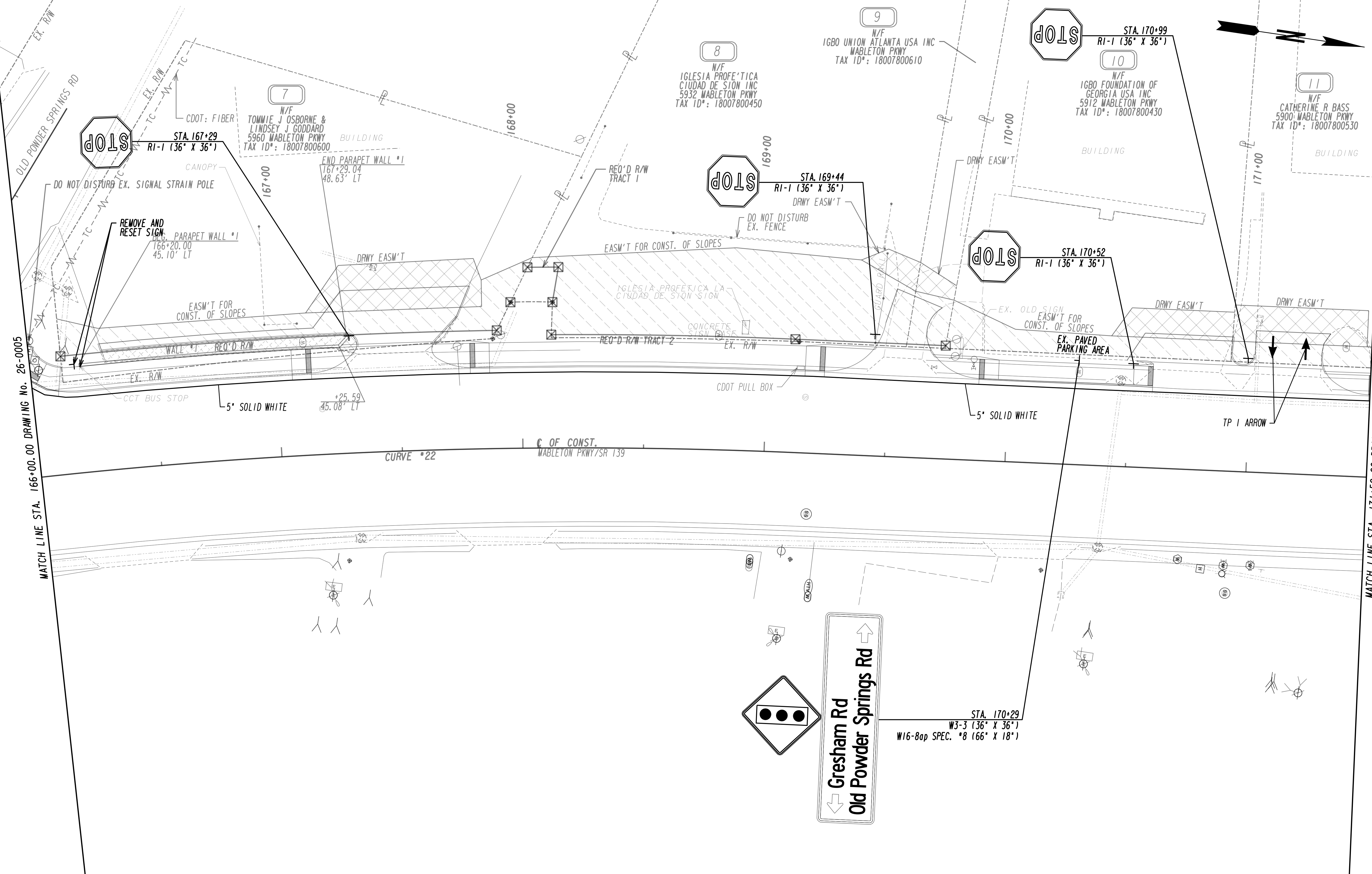
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



REVISION DATES	

SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0005	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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

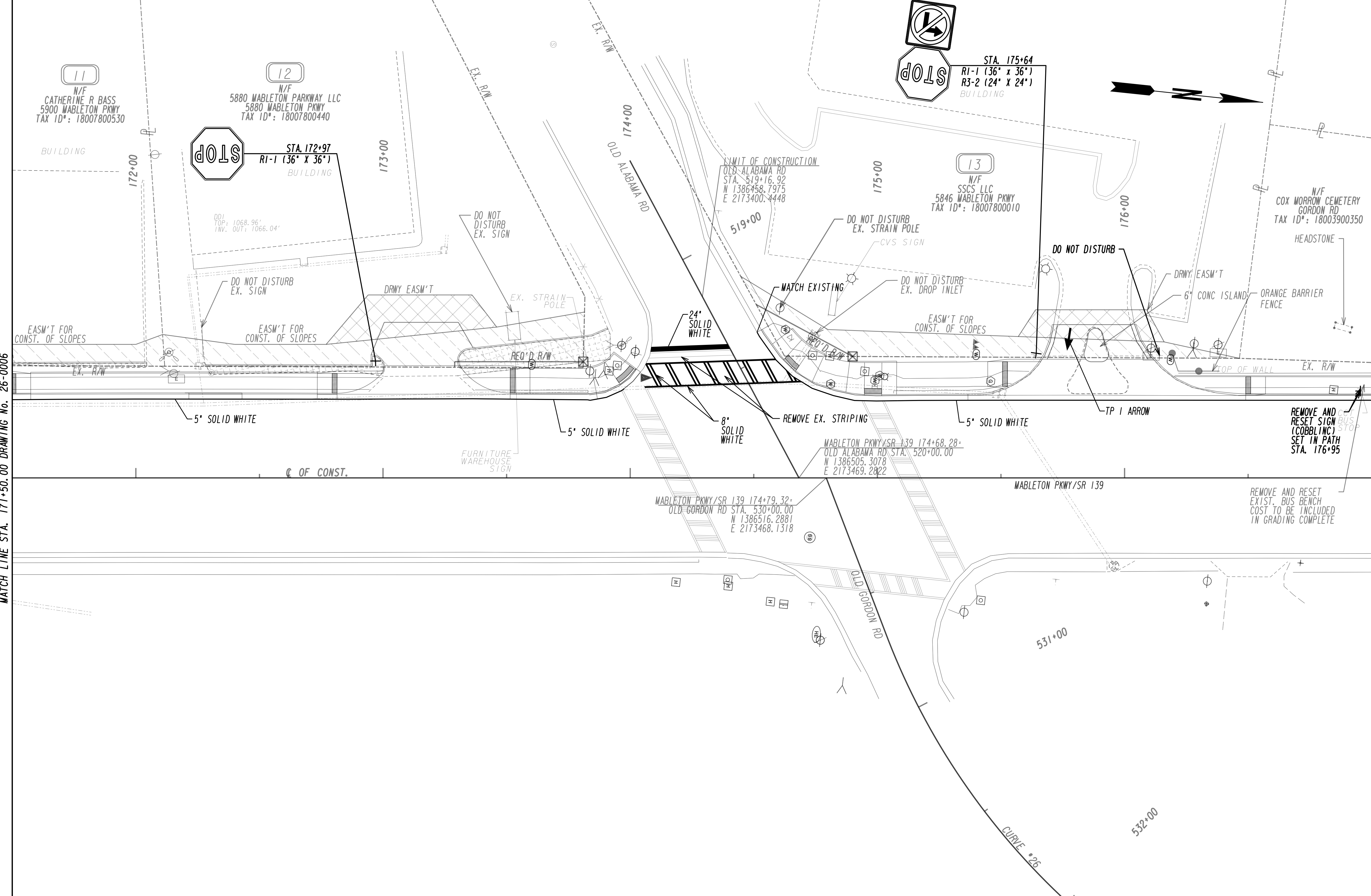


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

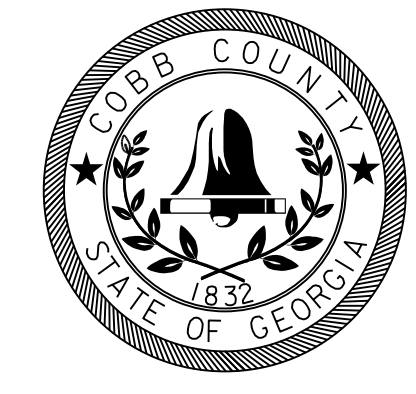
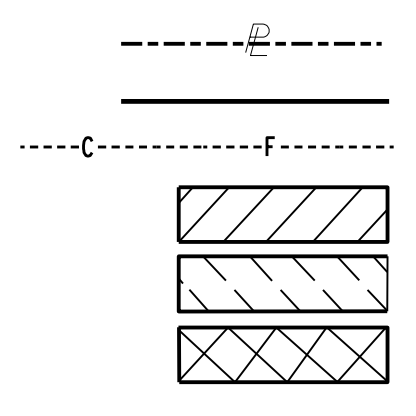
SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0006	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



MATCH LINE STA. 171+50.00 DRAWING No. 26-0006

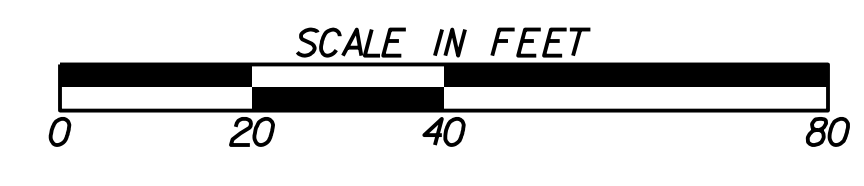
MATCH LINE STA. 177+00.00 DRAWING No. 26-0008

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



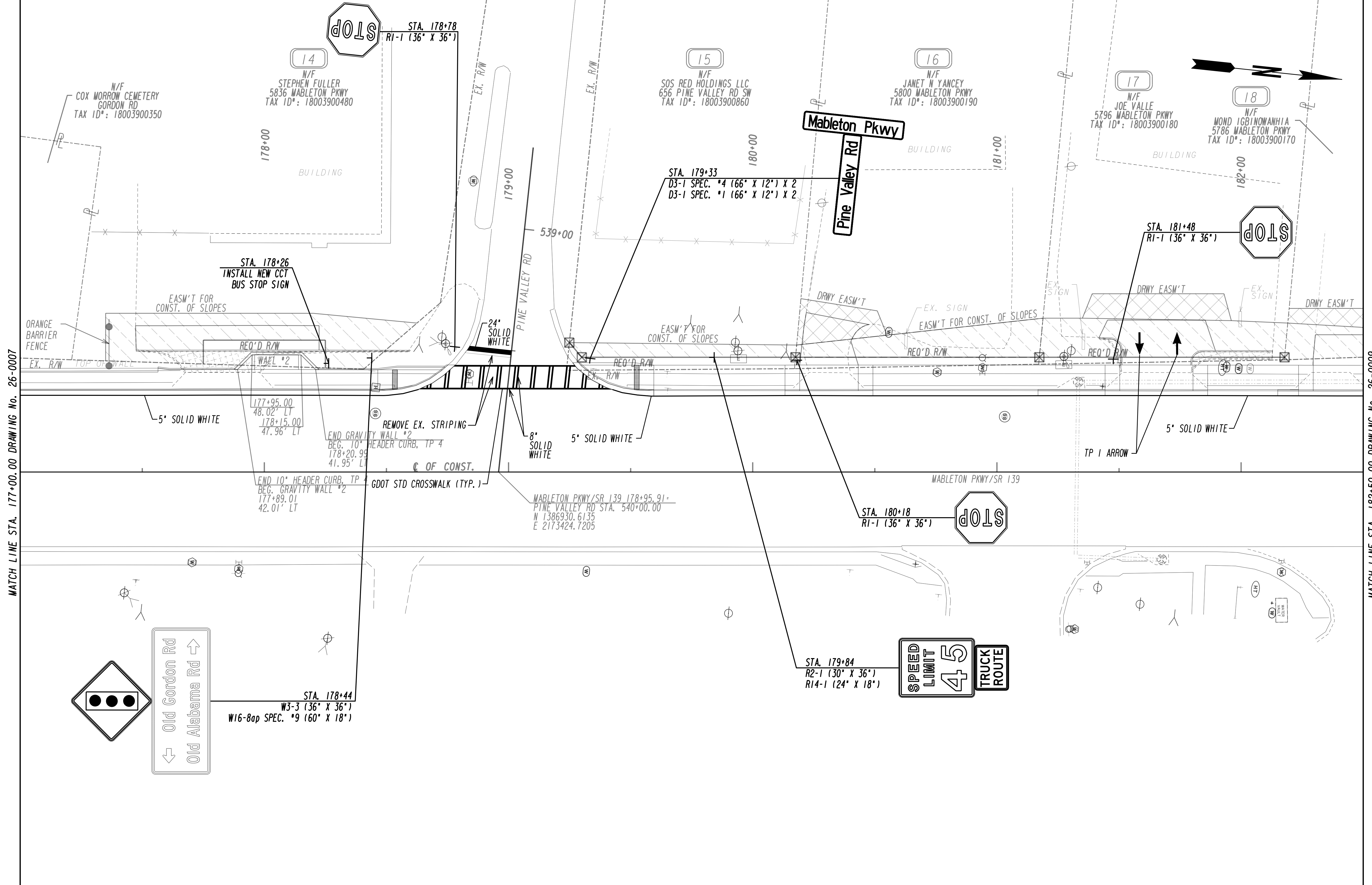
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



REVISION DATES	

SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



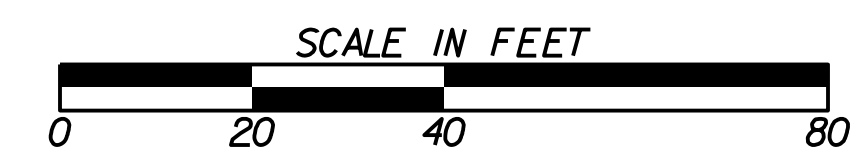
MATCH LINE STA. 177+00.00 DRAWING No. 26-0007

MATCH LINE STA. 182+50.00 DRAWING No. 26-0009

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

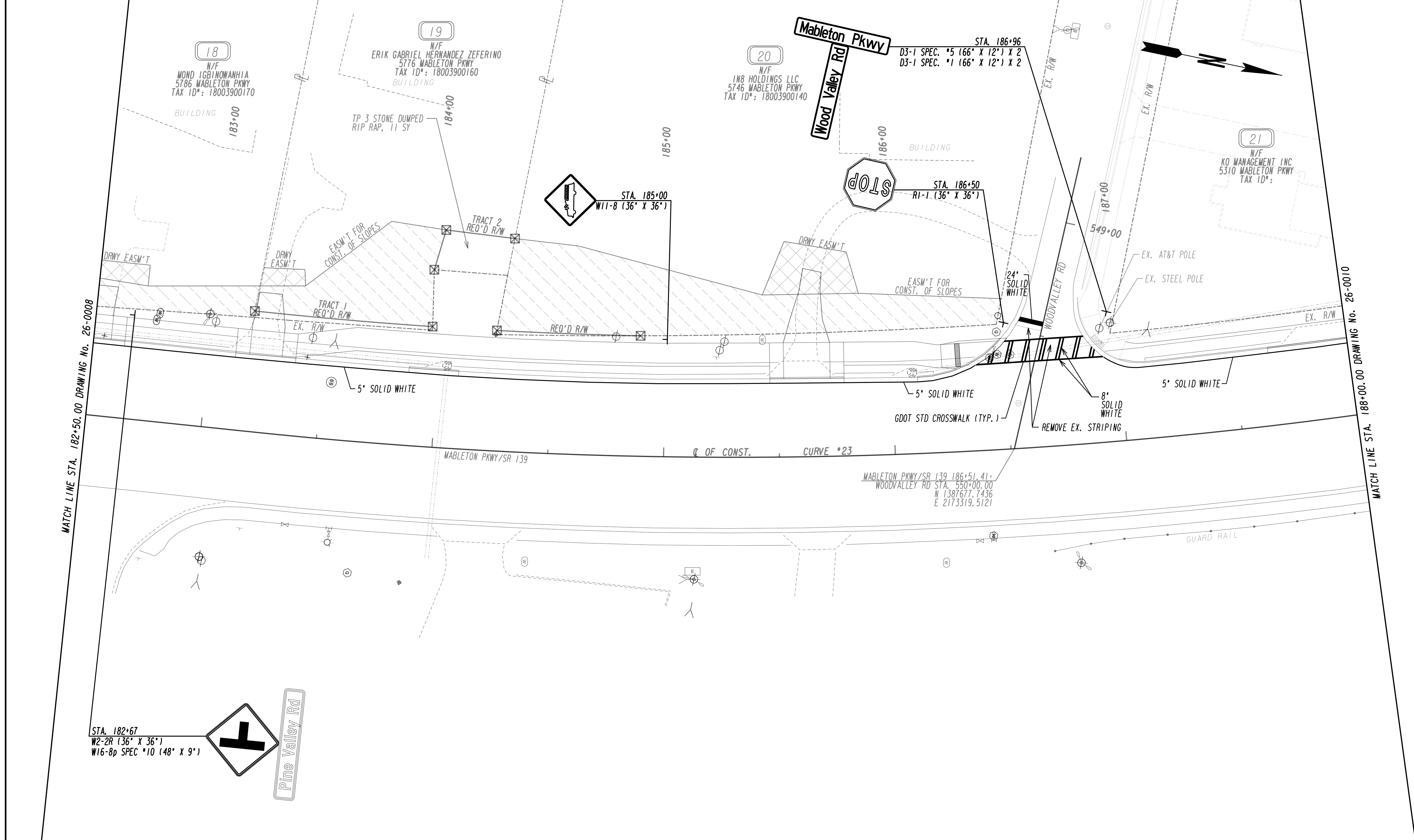


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			26-0008



MATCH LINE STA. 188+00.00 DRAWING No. 26-0010

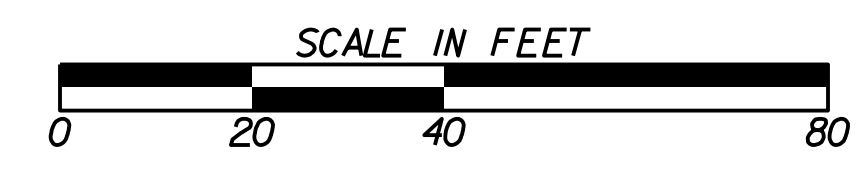
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▧
EASEMENT FOR CONSTR OF DRIVES	▩



PLANS PREPARED AND SUBMITTED BY:

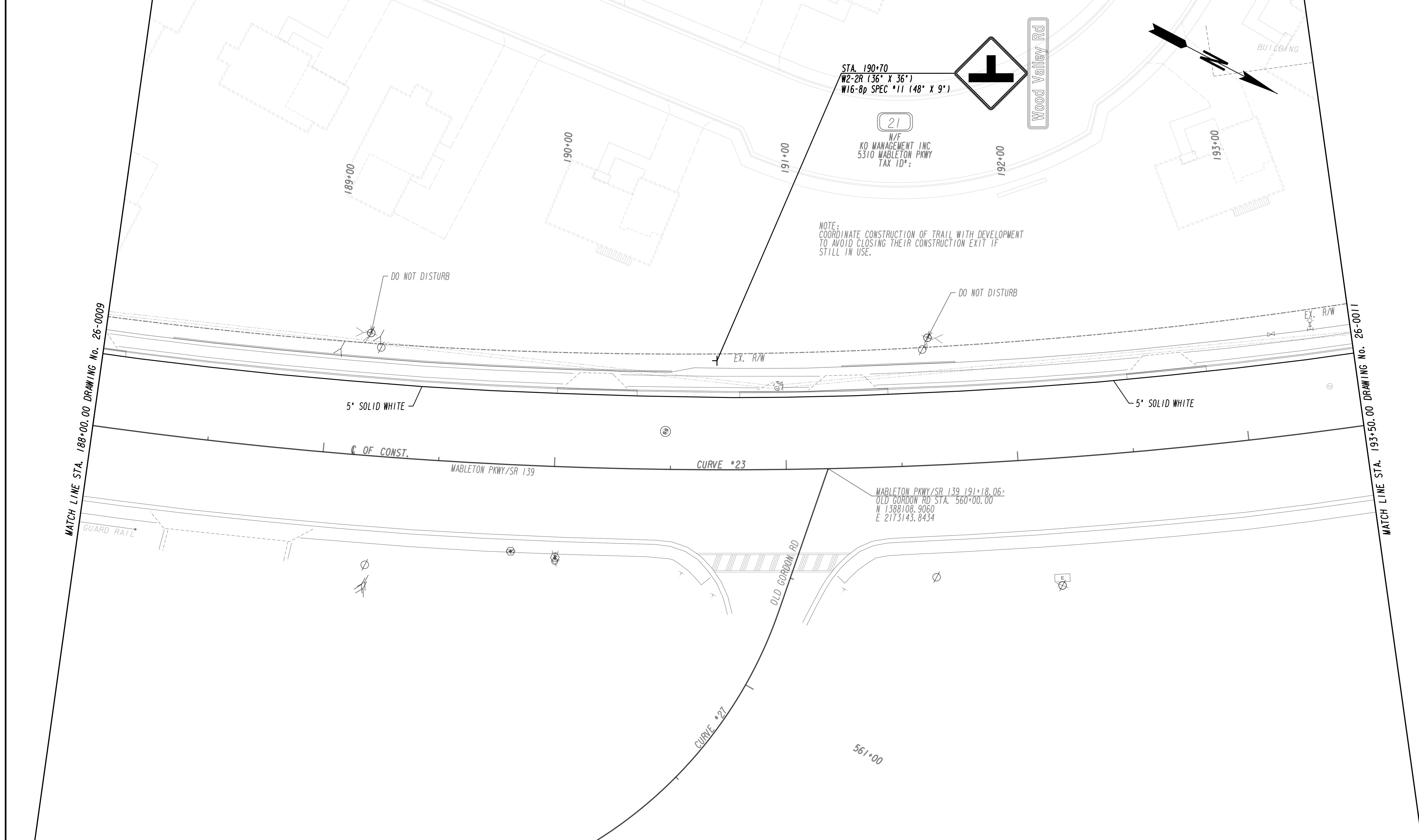
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

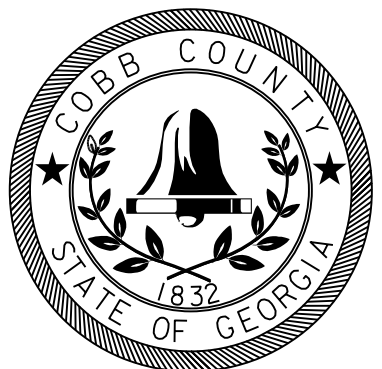
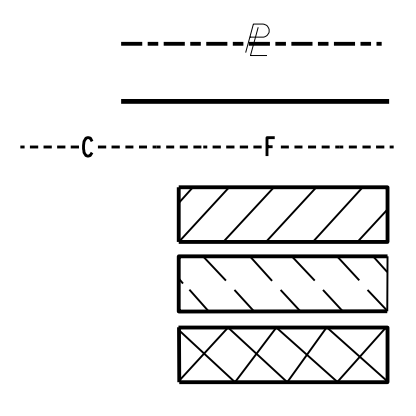


REVISION DATES	

SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0009	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



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



PLANS PREPARED AND SUBMITTED BY:

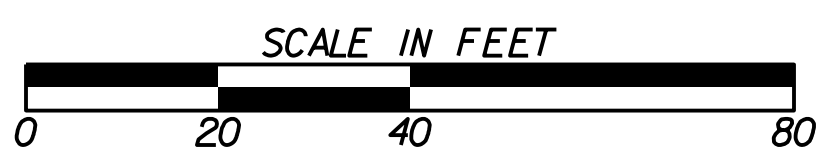
**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

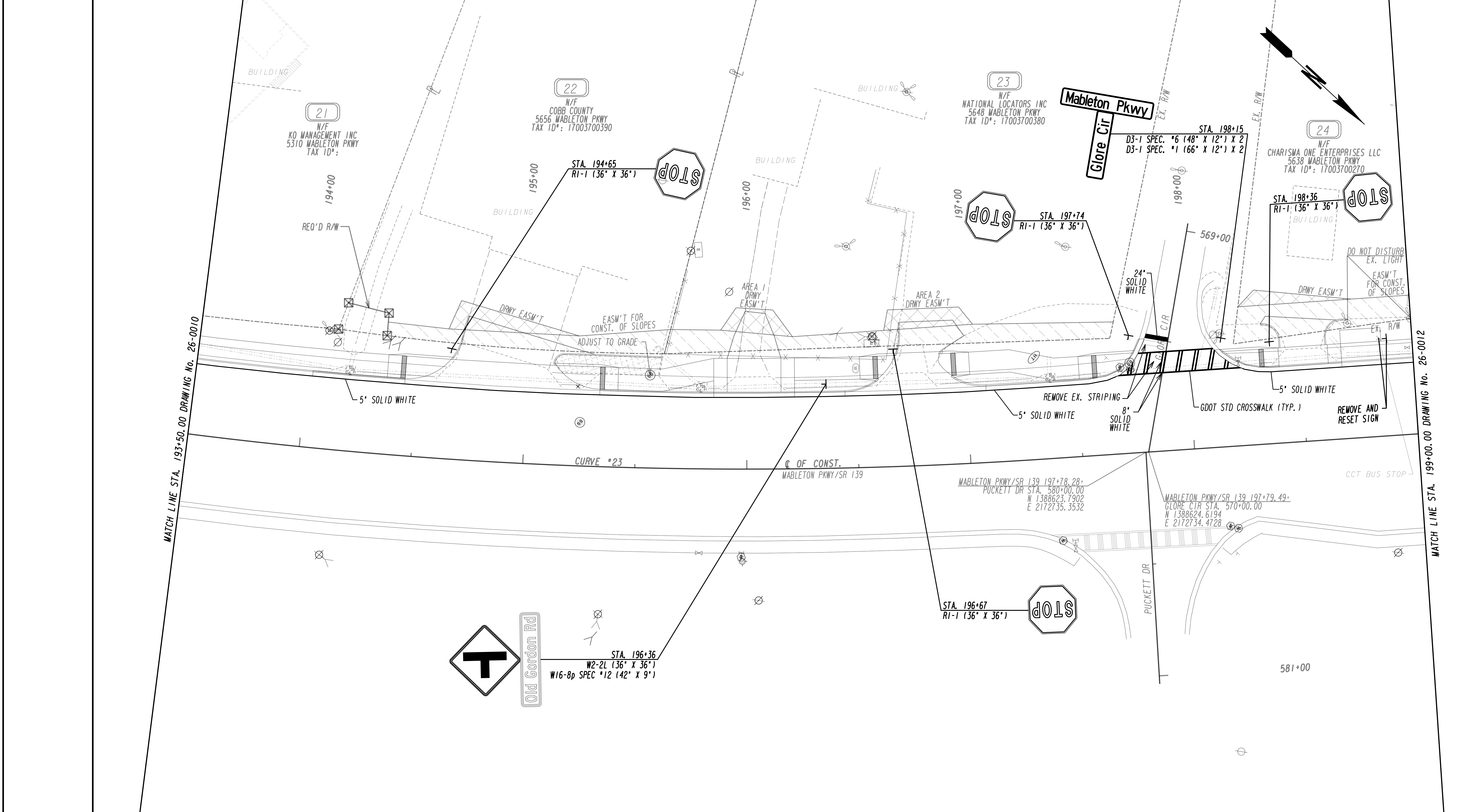
PROFESSIONAL ENGINEERING

OFFICES:  
 65 Aberdeen Drive, Glasgow, KY 42044 (502) 651-1220  
 560 Acworth Landing Drive, Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813



REVISION DATES	

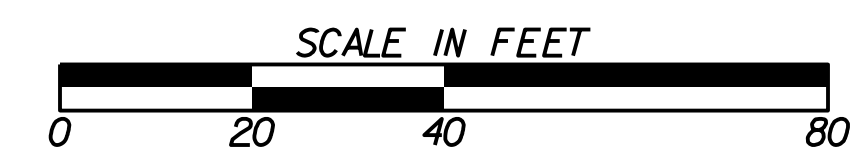
SIGNING AND MARKING PLANS			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			26-0010



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

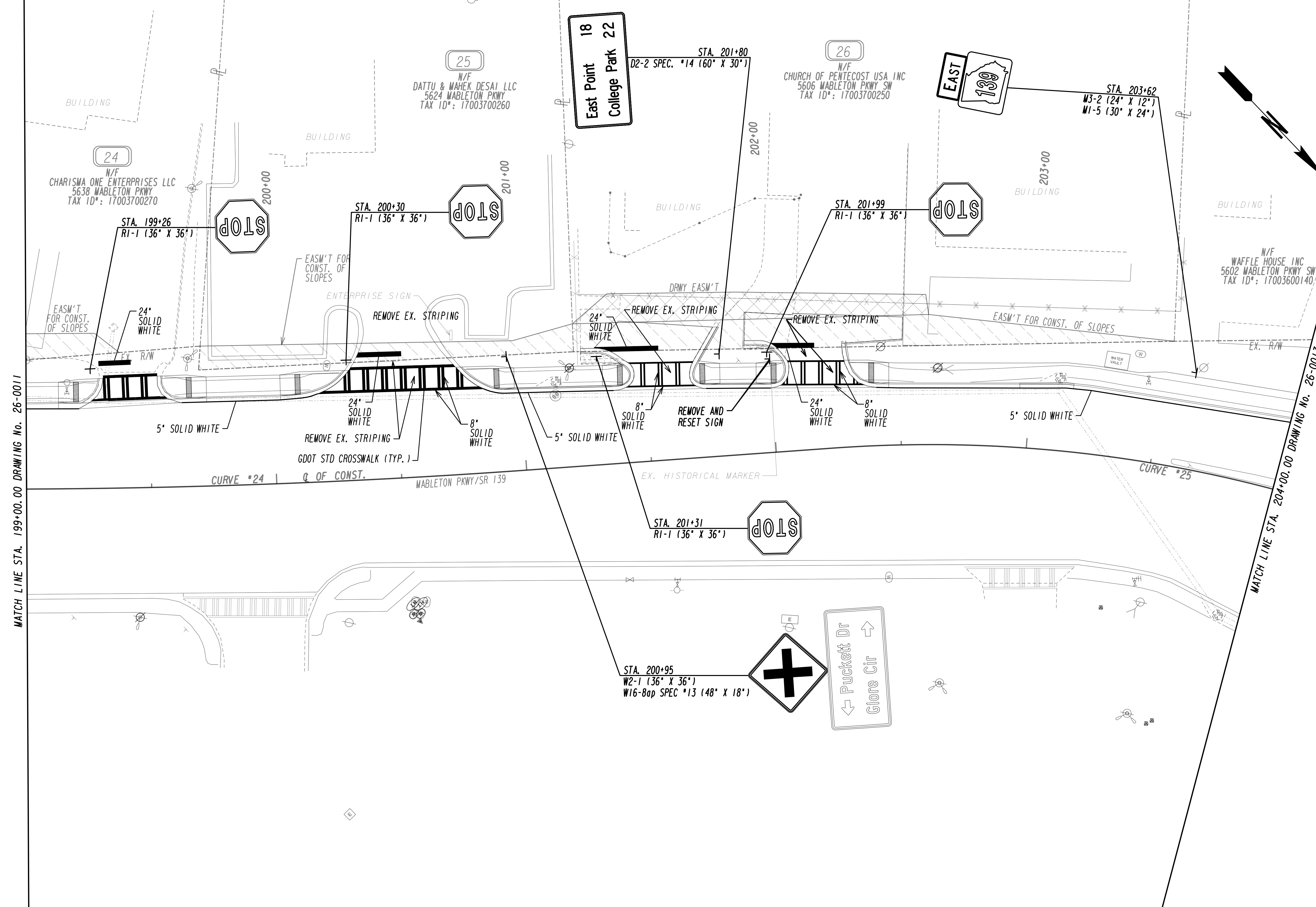


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

SIGNING AND MARKING PLANS MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0011	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

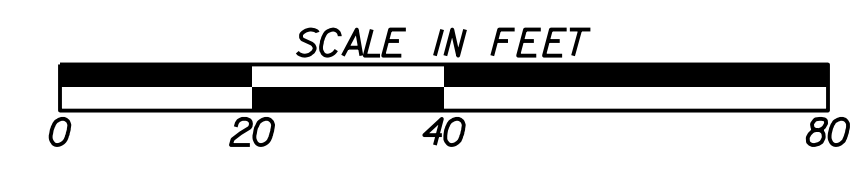


PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

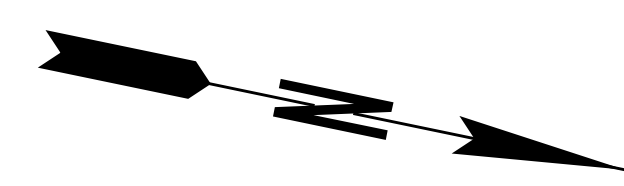
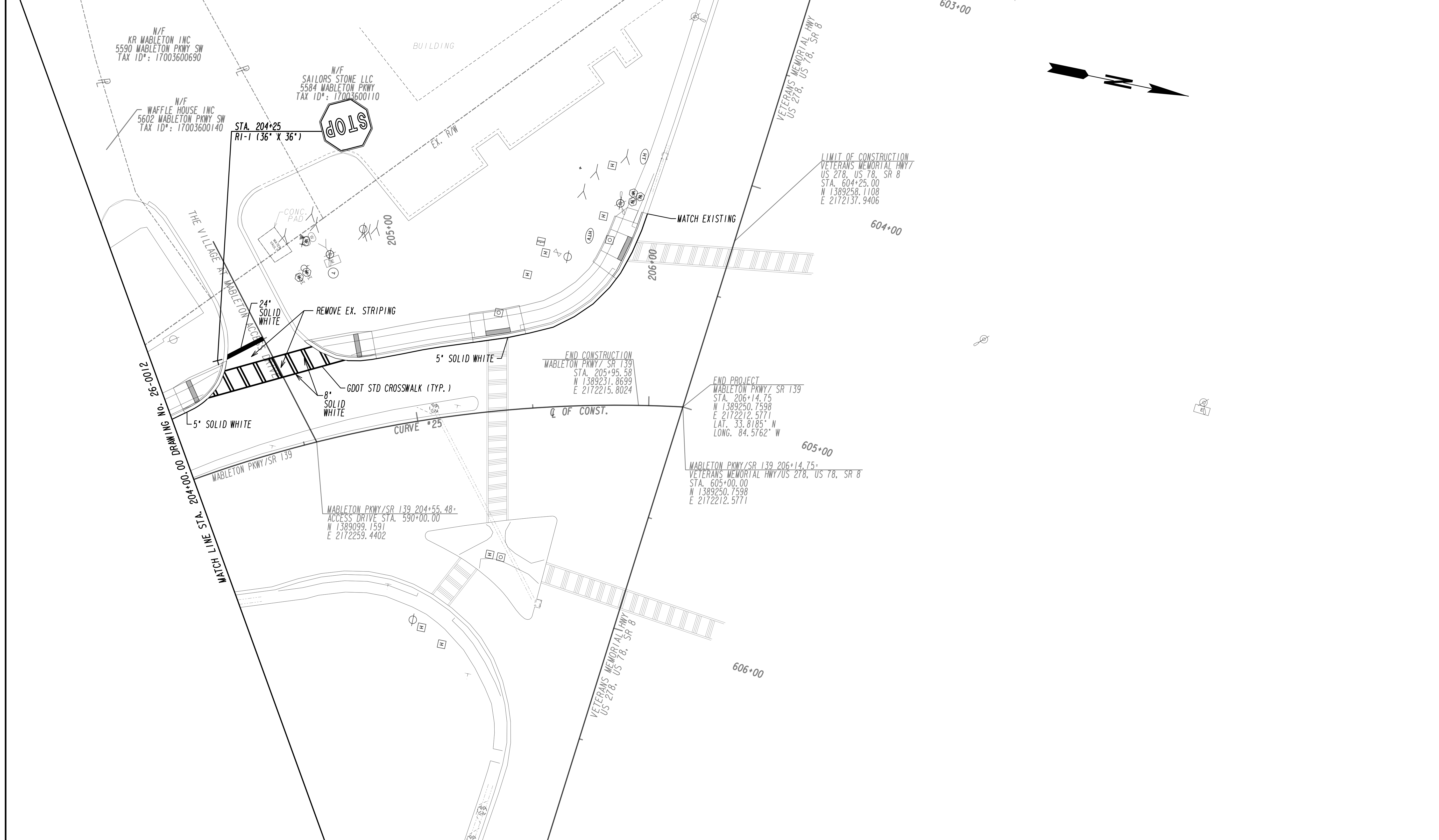
PROFESSIONAL ENGINEERING



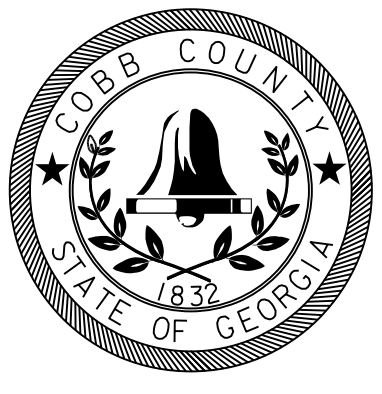
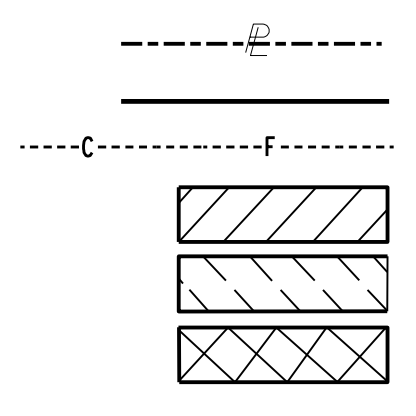
REVISION DATES	

SIGNING AND MARKING PLANS MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	26-0012	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





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



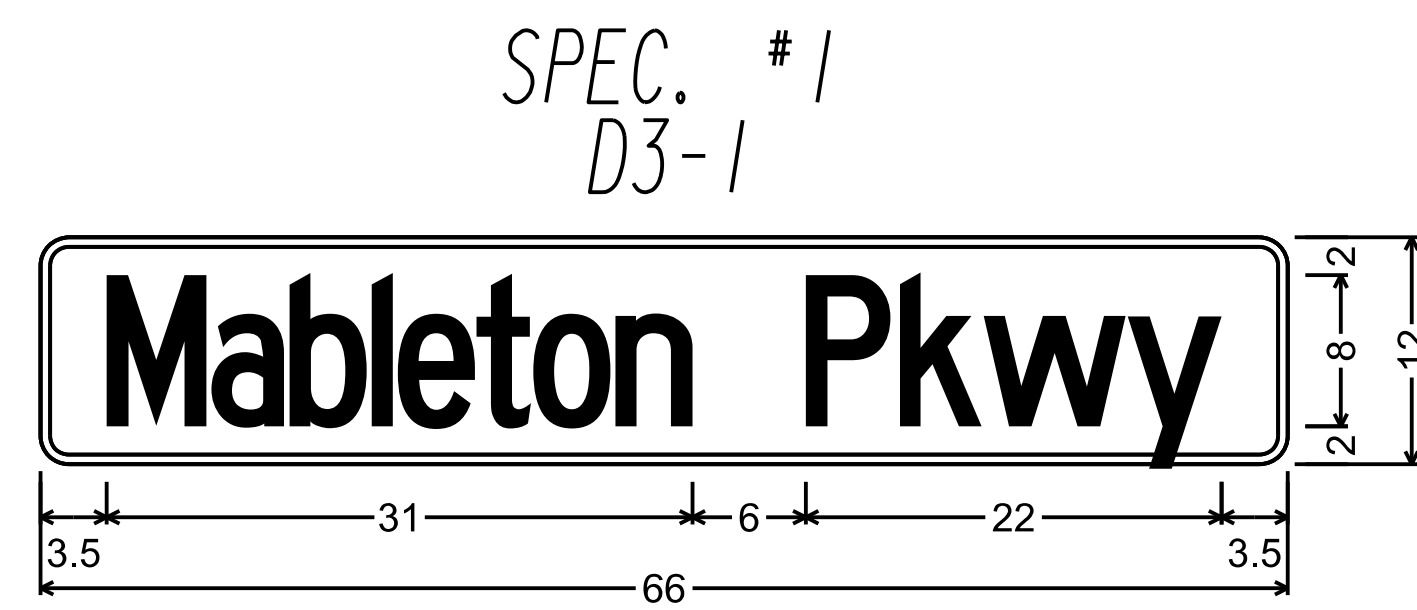
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

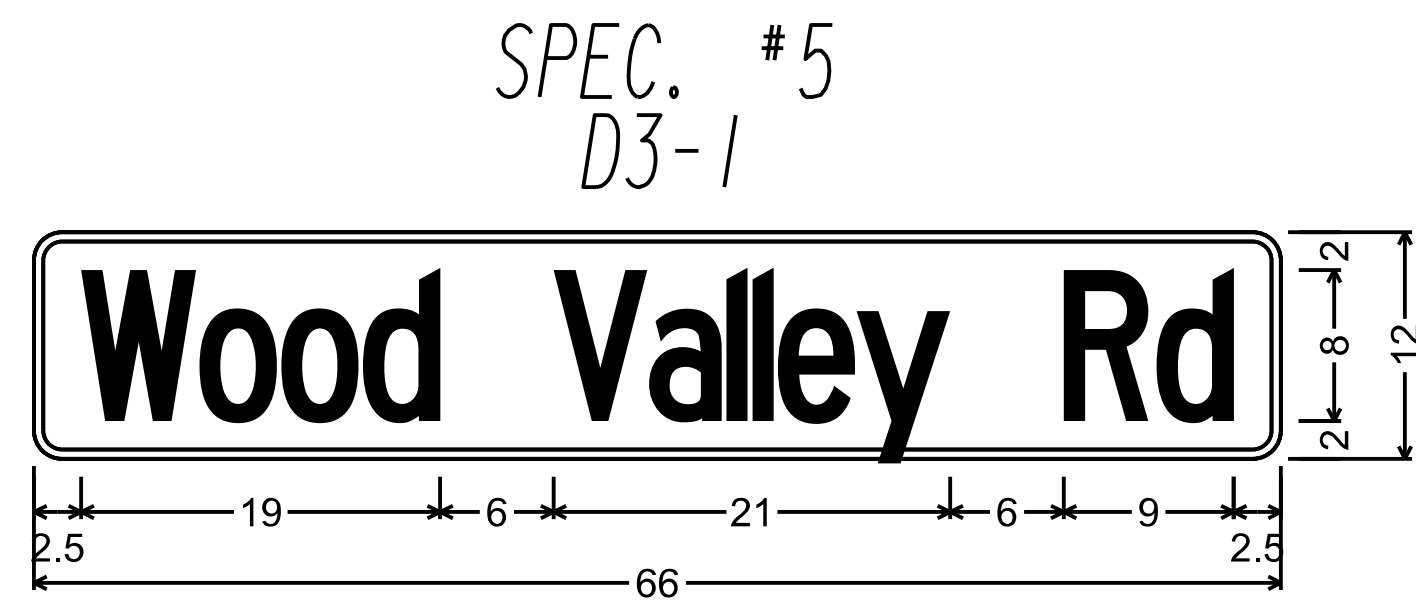


REVISION DATES	

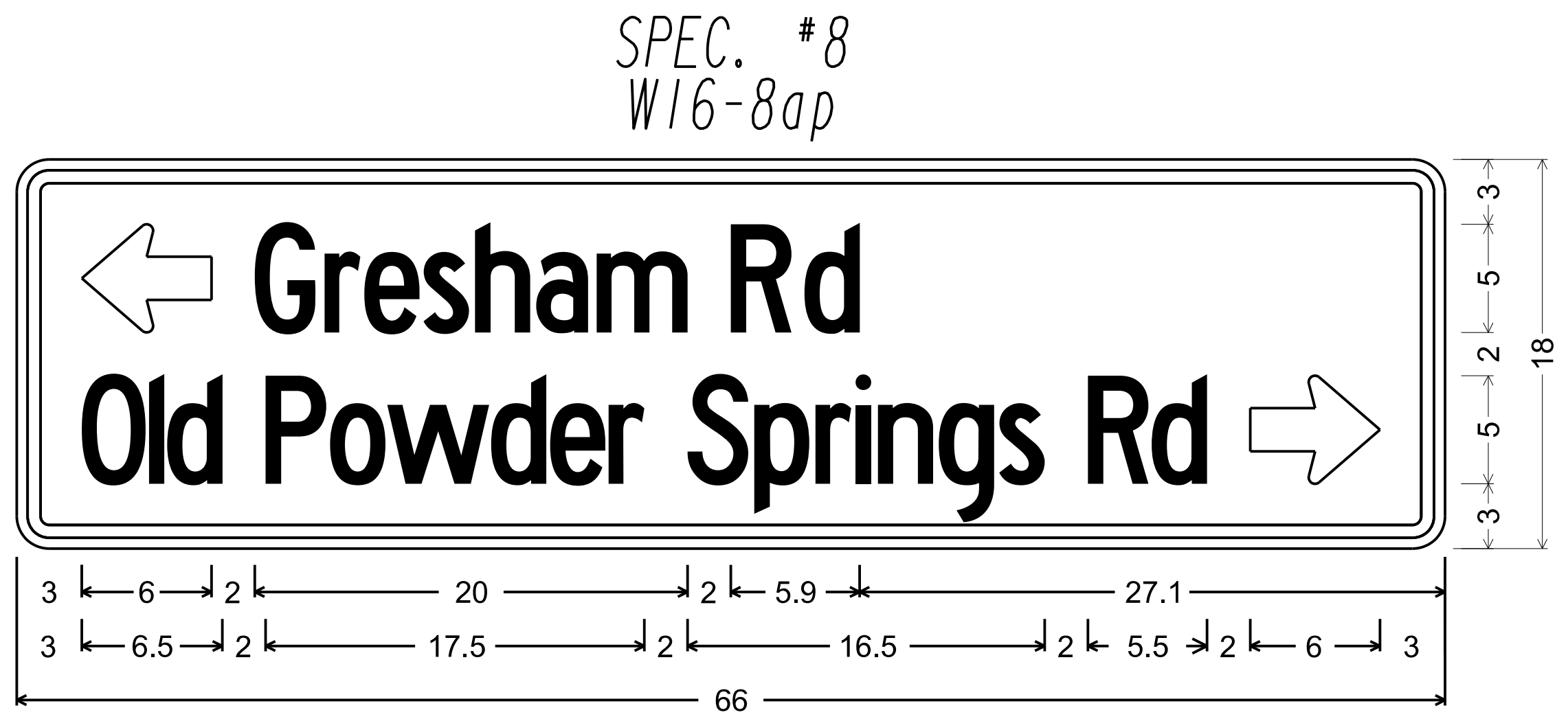
SIGNING AND MARKING PLANS MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			26-0013



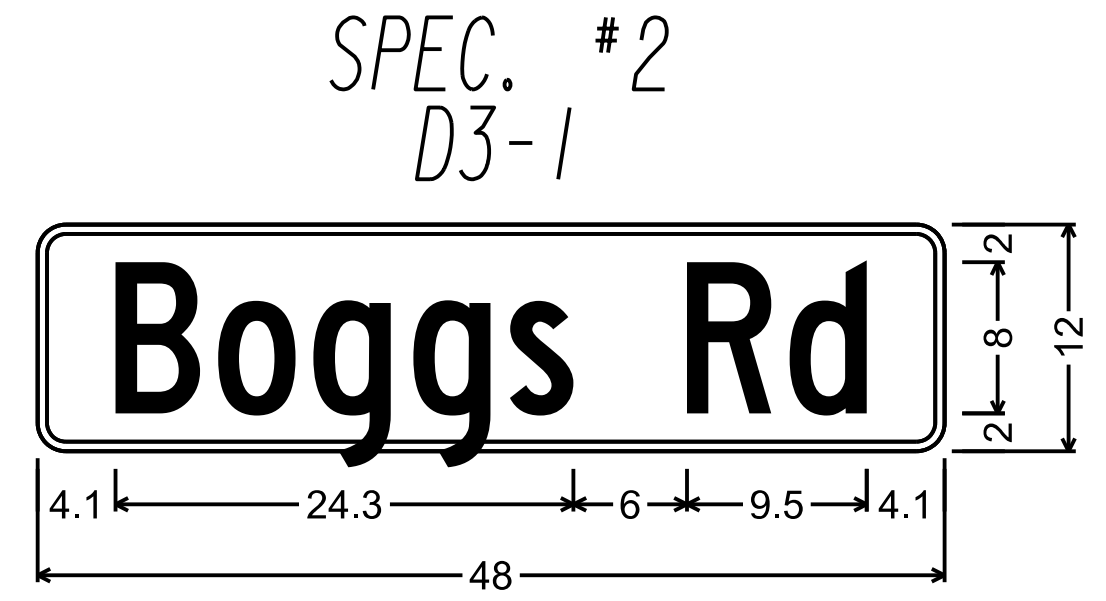
1.5" Radius, 0.5" Border, White on, Green;  
"Mableton", C 2K specified length;  
"Pkwy", C 2K specified length;



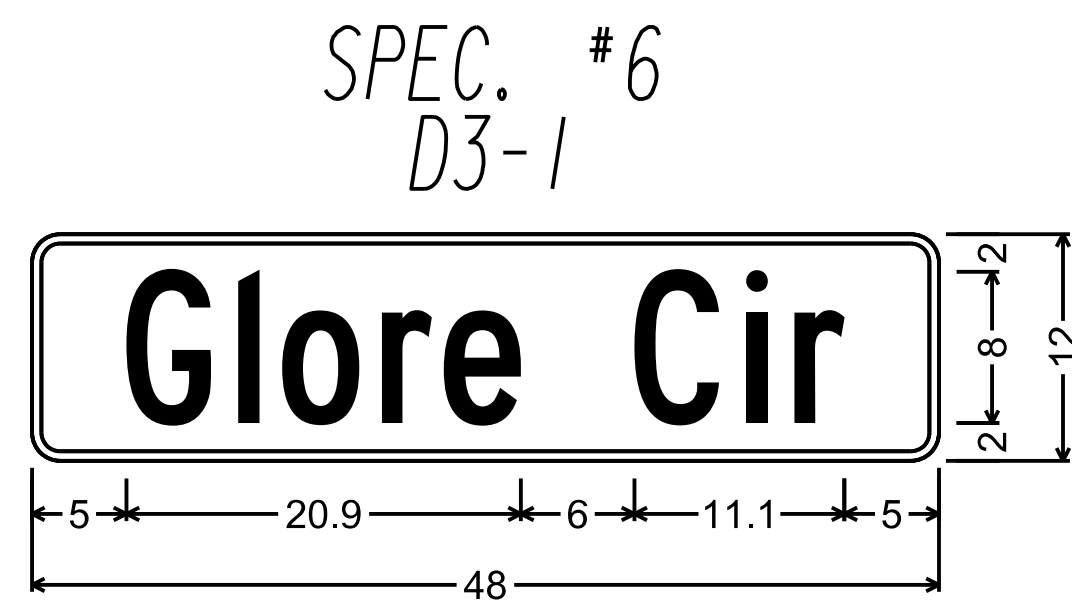
1.5" Radius, 0.5" Border, White on, Green;  
"Wood", C 2K specified length;  
"Valley", C 2K specified length; "Rd", C 2K specified length;



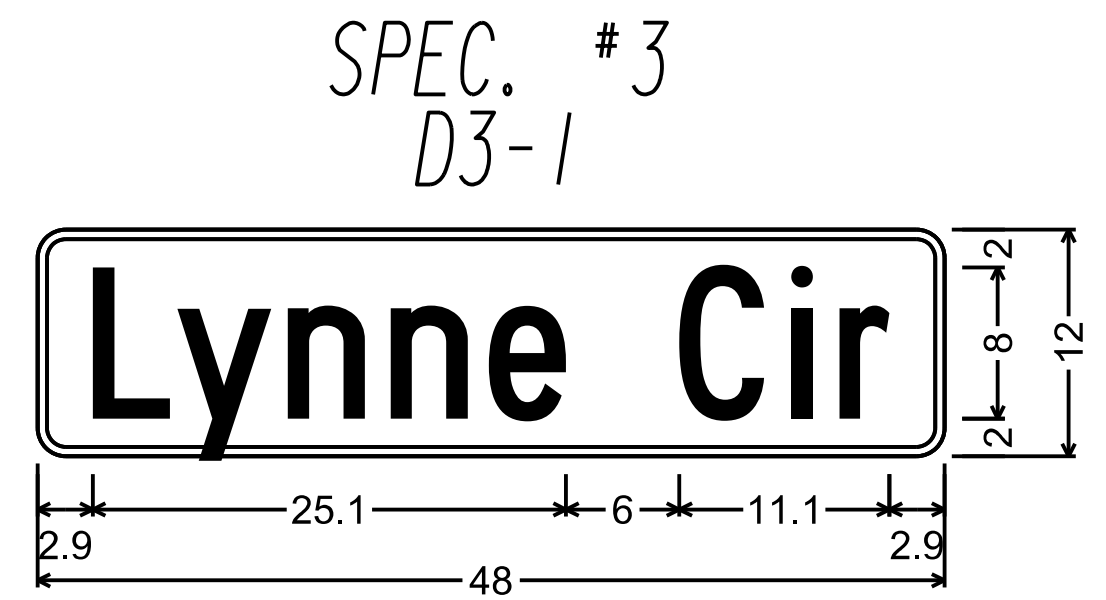
1.5" Radius, 0.6" Border, 0.5" Indent, Black on Yellow;  
Standard Arrow Custom 6.0" X 5.0" 180°;  
"Gresham", C 2K specified length; "Rd", C 2K;  
"Old", C 2K specified length; "Powder", C 2K specified length;  
"Springs", C 2K specified length; "Rd", C 2K specified length;  
Standard Arrow Custom 6.0" X 5.0" 0°;



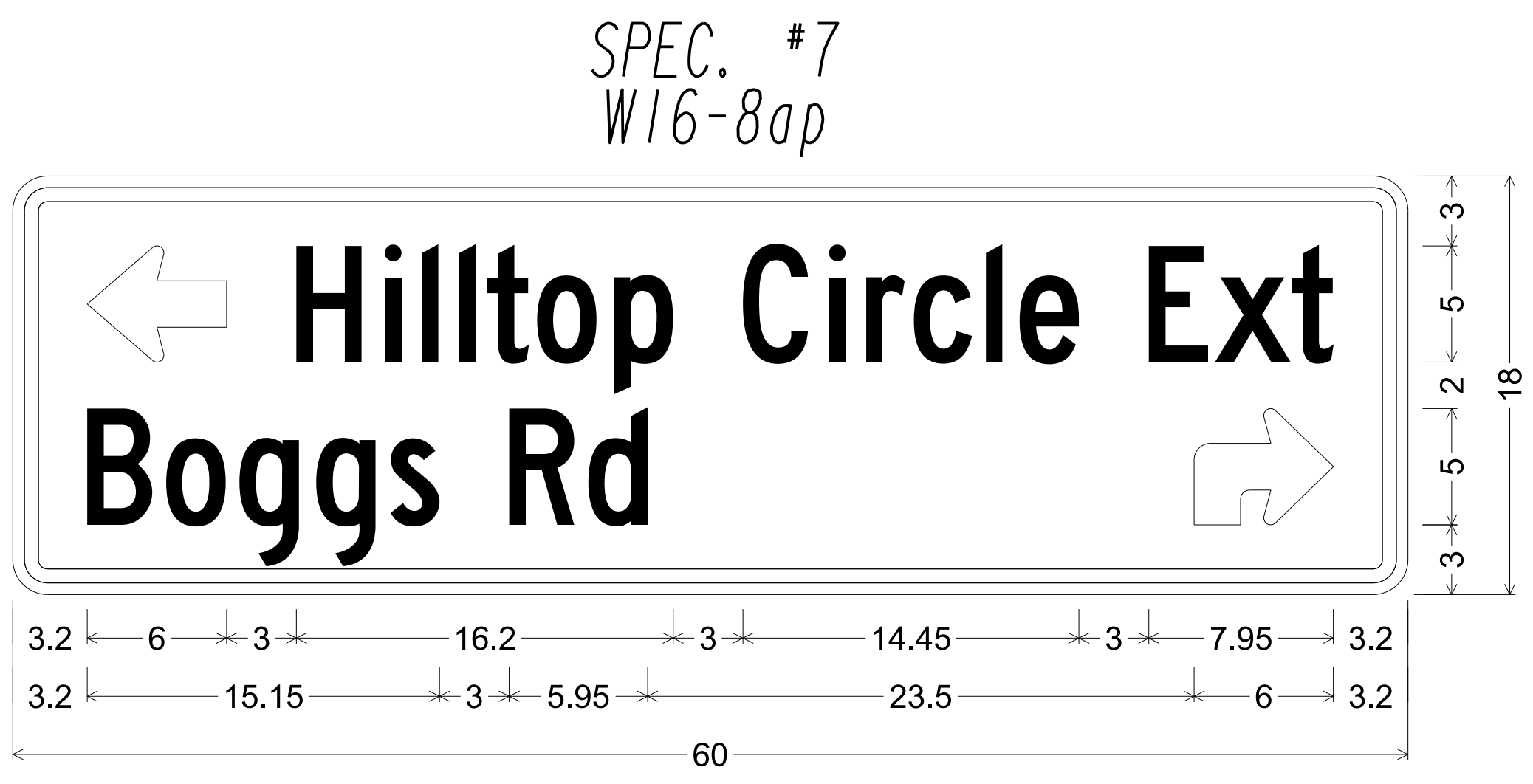
1.5" Radius, 0.5" Border, White on, Green;  
"Boggs", C 2K; "Rd", C 2K;



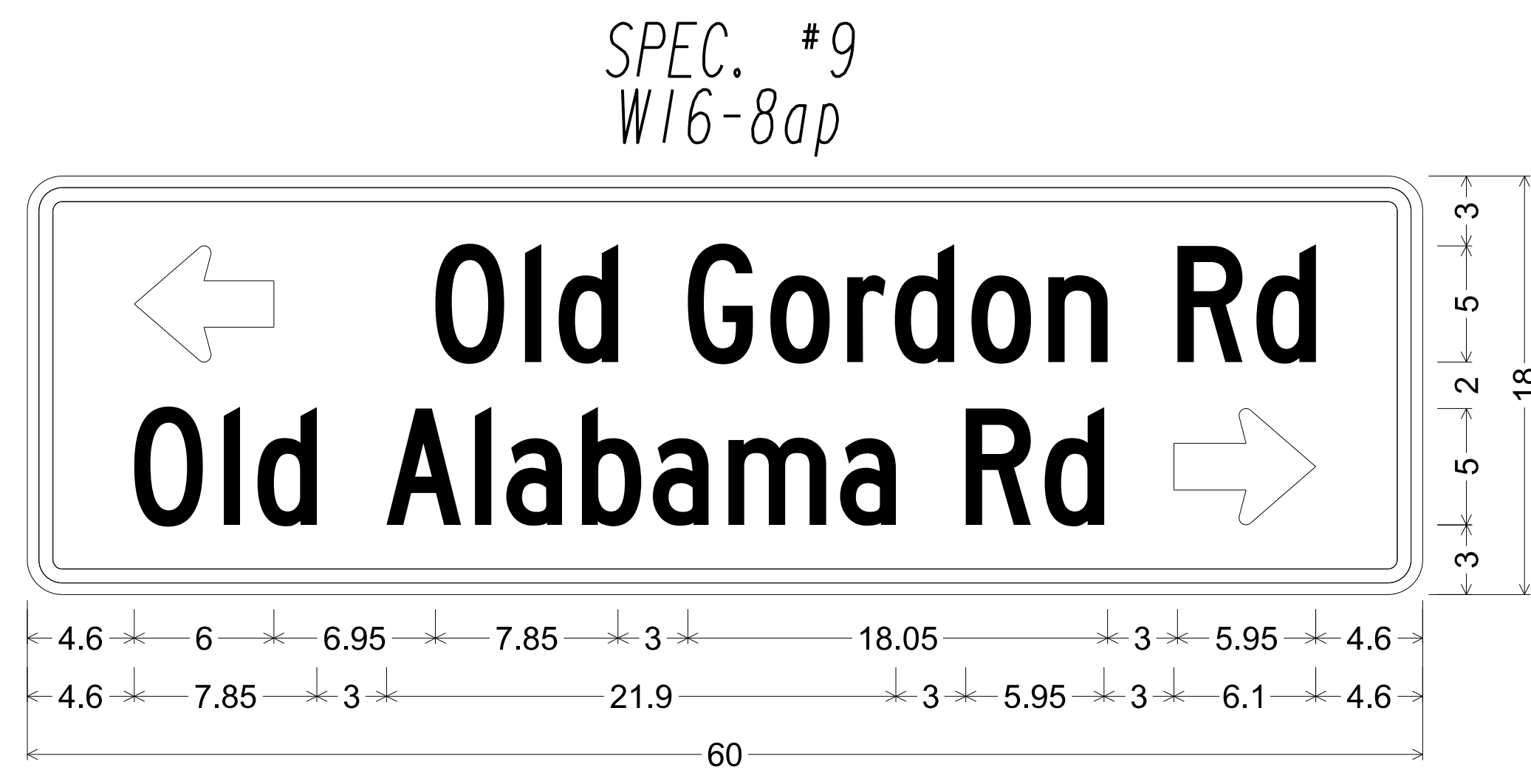
1.5" Radius, 0.5" Border, White on, Green;  
"Glore", C 2K; "Cir", C 2K;



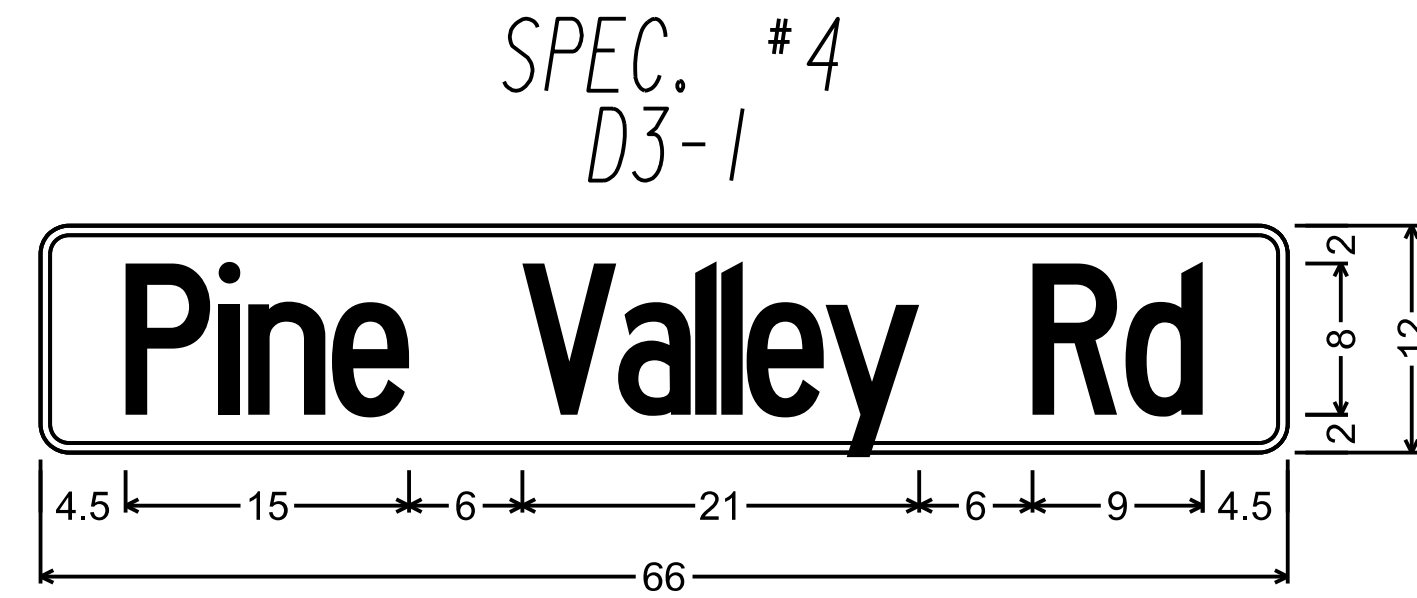
1.5" Radius, 0.5" Border, White on, Green;  
"Lynne", C 2K; "Cir", C 2K;



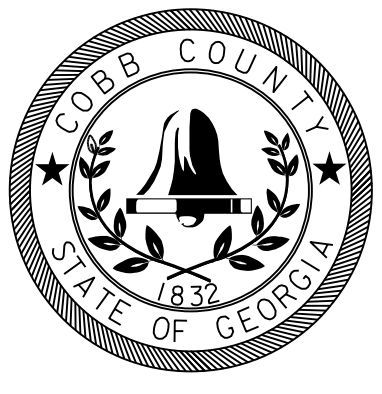
1.50" Radius, 0.60" Border, 0.50" Indent, Black on, Yellow;  
Standard Arrow Custom 6.00" X 5.00" 180°; "Hilltop", C 2K; "Circle", C 2K;  
"Ext", C 2K; "Boggs", C 2K; "Rd", C 2K;  
90 Deg Advance Turn Arrow Custom 6.00" X 5.00";



1.50" Radius, 0.60" Border, 0.50" Indent, Black on, Yellow;  
Standard Arrow Custom 6.00" X 5.00" 180°; "Old", C 2K; "Gordon", C 2K;  
"Rd", C 2K; "Old", C 2K; "Alabama", C 2K; "Rd", C 2K;  
Standard Arrow Custom 6.10" X 5.00" 0°;



1.5" Radius, 0.5" Border, White on, Green;  
"Pine", C 2K specified length; "Valley", C 2K specified length;  
"Rd", C 2K specified length;

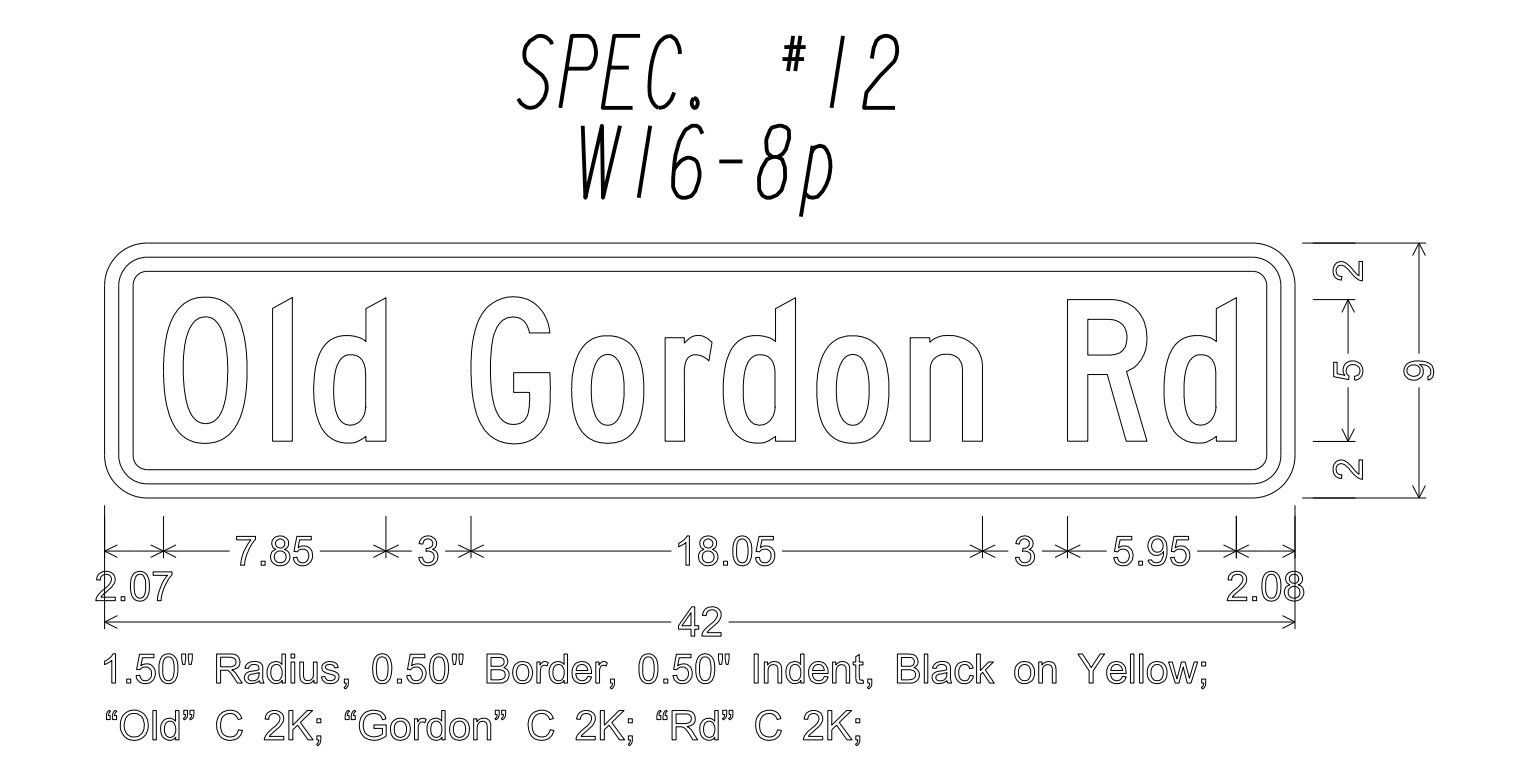
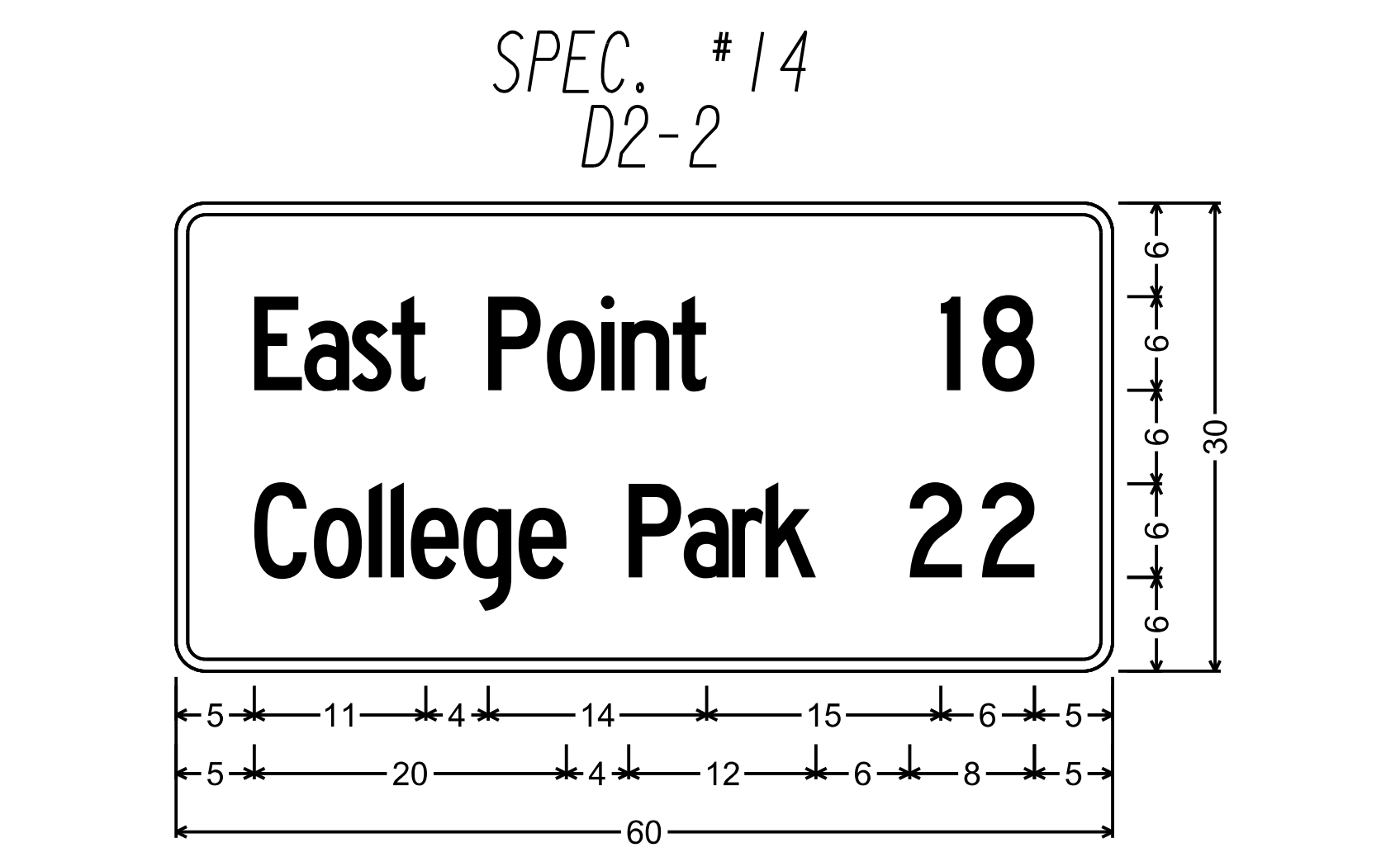
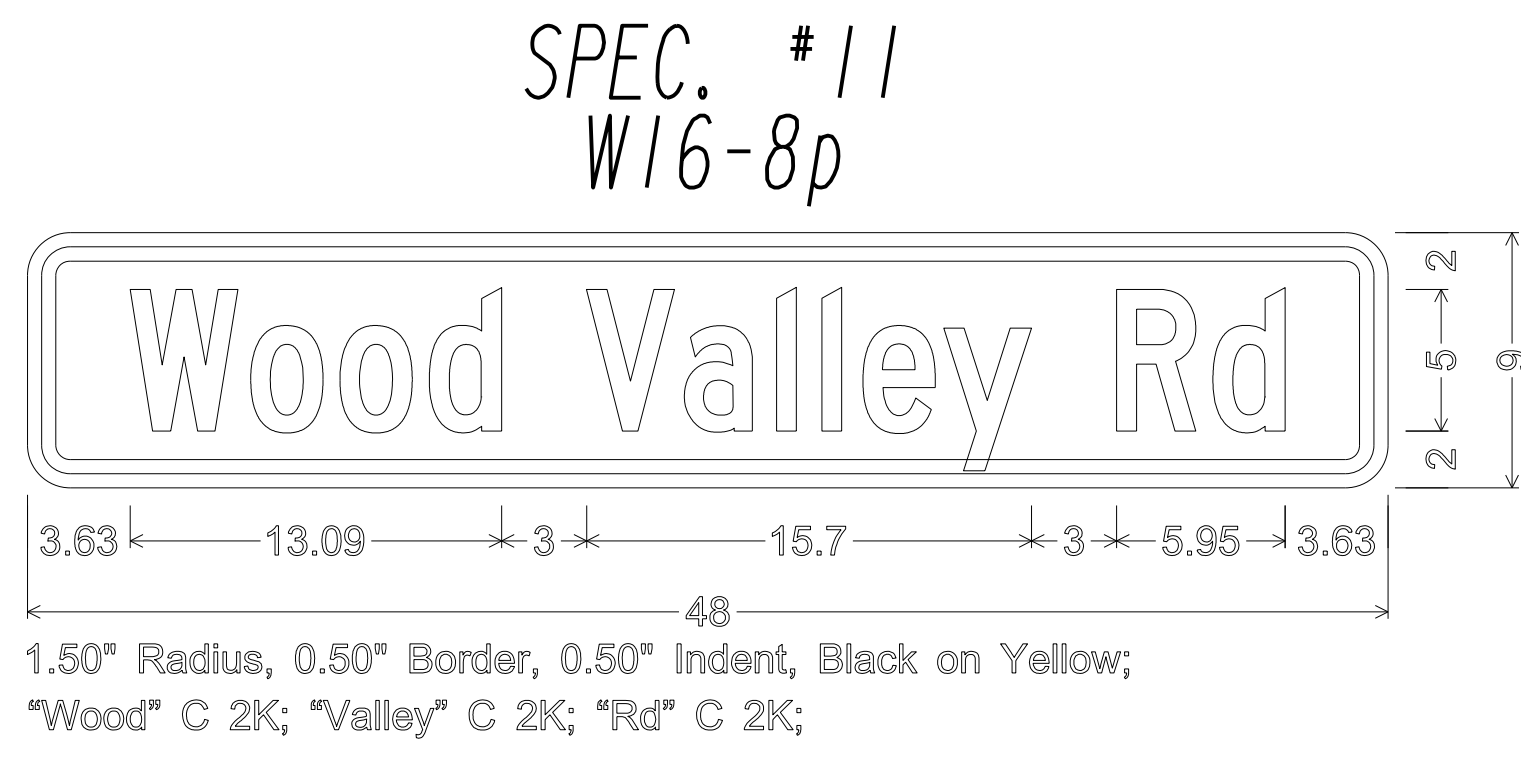
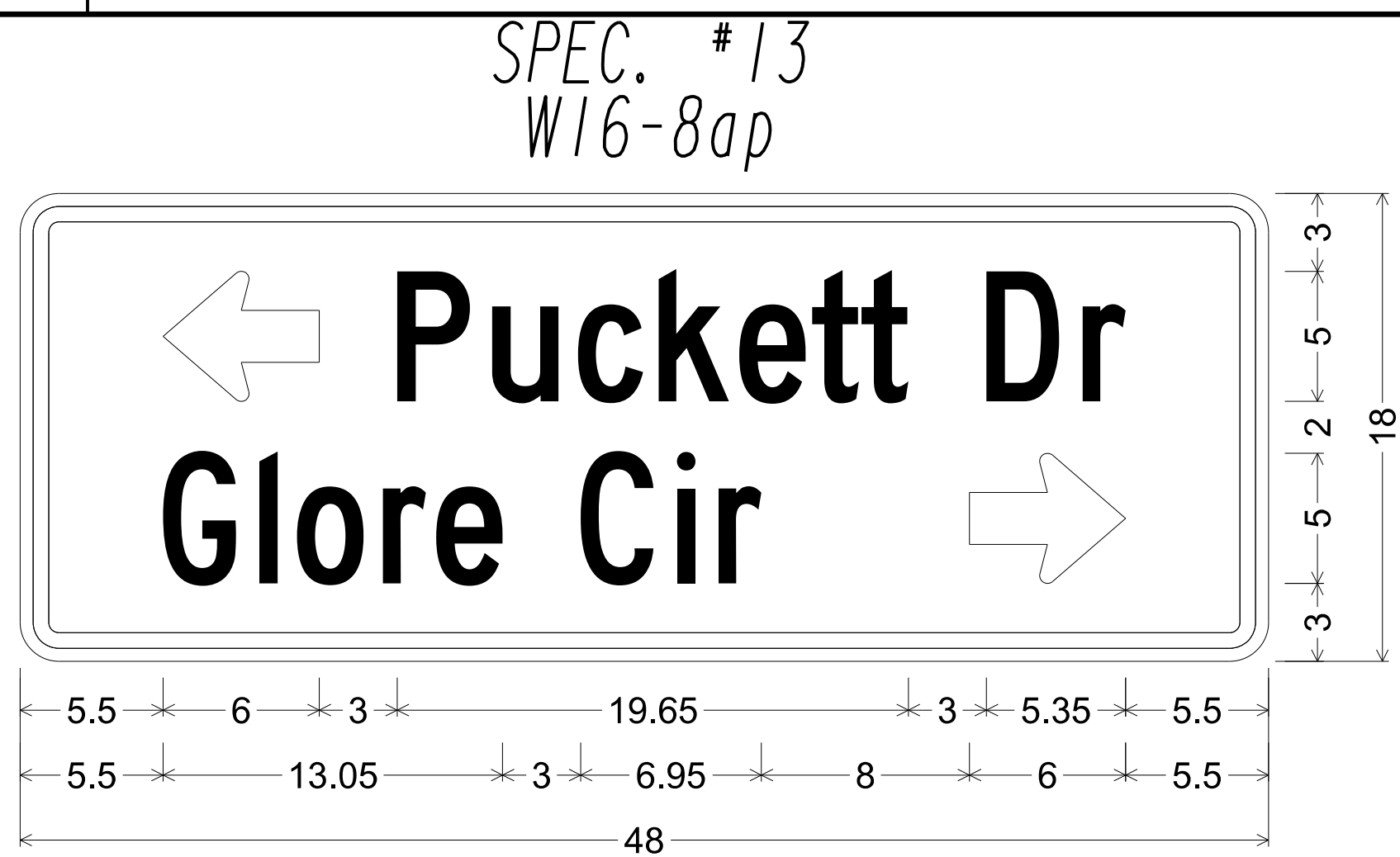
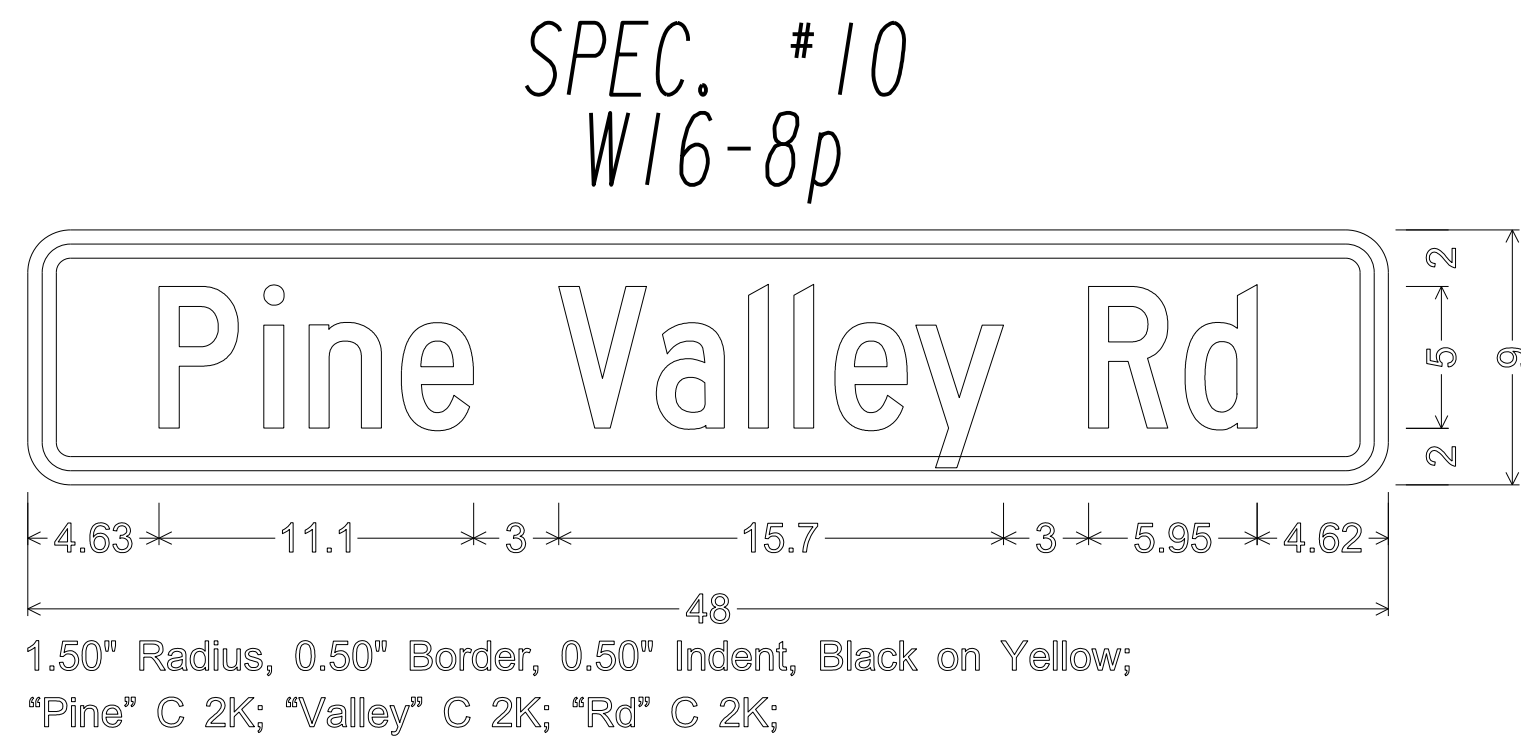


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

N. T. S.

REVISION DATES	

SIGNING AND MARKING PLANS SPECIAL SIGN DETAIL			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			26-0014



	PLANS PREPARED AND SUBMITTED BY: AMERICAN ENGINEERS, INC. DESIGN CONSULTANT	N. T. S.	REVISION DATES		SIGNING AND MARKING PLANS SPECIAL SIGN DETAIL MABLETON PKWY TRAIL, PHASE II	
			CHECKED: _____ DATE: _____ BACKCHECKED: _____ DATE: _____ CORRECTED: _____ DATE: _____ VERIFIED: _____ DATE: _____	DRAWING No. 26-0015		

## TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION, MODIFICATION AND/OR REBUILD SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL/CCTV INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE CURRENT GDOT/COBB COUNTY SPECIFICATIONS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH THE CURRENT COBB COUNTY AND GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
4. THE CONTRACTOR IS REQUIRED TO MAINTAIN VEHICLE DETECTION WITHOUT INTERRUPTION FOR ALL TRAFFIC SIGNAL PHASES DURING CONSTRUCTION OF THE PROJECT. APPROVED DETECTION (RADAR or VIDEO) SHALL BE USED FOR PRESENCE DETECTION AND PULSE DETECTION. TEMPORARY POLES MAY BE REQUIRED TO SUPPORT THESE DETECTION DEVICES DURING PROJECT CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS, CCTV, AND COMMUNICATIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL/CCTV OPERATION INCLUDING COMMUNICATIONS TO BE INOPERABLE. ANY NECESSARY INTERRUPTION IN COMMUNICATION OR OPERATION DUE TO CONSTRUCTION MUST BE APPROVED BY COBB COUNTY TRAFFIC ENGINEER OR HIS/HER DESIGNEE.
6. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINITY OF NEW TRAFFIC SIGNAL POLES, CONDUIT, AND PULL BOXES BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF FIVE (5) FEET) IN THE LOCATION OF NEW SIGNAL POLES, CONDUIT, AND PULL BOXES, SHALL BE AT THE DISCRETION OF THE COBB SIGNAL DESIGN ENGINEER.
7. PROVIDE A MINIMUM OF 10' CLEARANCE BETWEEN POWER LINES AND MAST ARMS. RAISE POWER LINES IF NECESSARY.
8. ALL INSTALLED FIBER OPTIC CABLE SHALL BE THE FIRST CABLE ATTACHED BELOW THE NEUTRAL CONDUCTORS. THE VERTICAL SEPARATION BETWEEN THE ATTACHMENT POINT OF THE FIBER AND THE ATTACHMENT POINT OF THE NEUTRAL CONDUCTOR SHALL BE A MINIMUM OF 40 INCHES, AND THE VERTICAL SEPARATION BETWEEN THE ATTACHMENT POINT OF THE FIBER OPTIC CABLE AND THE LOWEST POINT OF THE NEUTRAL CONDUCTOR (IN THE SPAN OR AT THE CROSSING) SHALL BE MINIMUM OF 12 INCHES. THE MINIMUM VERTICAL SEPARATION BETWEEN THE ATTACHMENT POINT OF THE FIBER AND ATTACHMENT POINT OF ALL OTHER CABLES SHALL BE A MINIMUM OF 12 INCHES.
9. POLE FOUNDATIONS SHALL CONFORM TO GDOT STANDARD CAISSON DETAILS FOR SITE SOIL STRENGTH. FOUNDATIONS SHALL BE ENLARGED AS NECESSARY TO COMPENSATE FOR INFERIOR OR FILL SOIL.
10. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL HEADS.
11. WHERE SIGNAL AND PEDESTRIAN HEADS ARE INDICATED TO BE INSTALLED OR REPLACED THIS SHALL INCLUDE ANY AND ALL HARDWARE TO COMPLETE THE INSTALLATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. THE SIGNAL INSPECTOR (770-528-3679) MUST BE CONTACTED THREE (3) DAYS IN ADVANCE OF POURING CONCRETE FOUNDATIONS TO VERIFY BOLT PATTERNS AND CONDUIT PLACEMENT.
14. WHEN REMOVED, EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE COBB COUNTY DEPARTMENT OF TRANSPORTATION, 1890 COUNTY SERVICES PARKWAY, MARIETTA, GEORGIA 30008. THE CONTRACTOR SHALL PROVIDE AN INVENTORY LIST OF RETURNED EQUIPMENT AND ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME WITH THE COBB COUNTY WAREHOUSE TECHNICIAN TWENTY-FOUR (24) HOURS (770-528-4379) IN ADVANCE.
15. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE COBB COUNTY TRAFFIC ENGINEER OR HIS/HER DESIGNEE PRIOR TO FINAL ACCEPTANCE.
16. THE CONTRACTOR SHALL CONTACT COBB COUNTY DEPARTMENT OF TRANSPORTATION FOR A PRE-CONSTRUCTION MEETING TO BE HELD AT THE COBB COUNTY DOT OFFICE, AT WHICH TIME THE CONTRACTOR SHALL ISSUE A LETTER TO COBB COUNTY DOT ACCEPTING RESPONSIBILITY OF THE SPECIFIED INTERSECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND MAINTAIN CONTROL OF THE SIGNAL UNTIL FINAL ACCEPTANCE OF THE SIGNAL BY COBB COUNTY DEPARTMENT OF TRANSPORTATION.
17. INSTALL (4) EA. 3" NONMETAL CONDUIT AND (2) EA. 1" NONMETAL CONDUIT BETWEEN THE CONTROL CABINET AND ITS ADJACENT PULLBOX.
18. INSTALL (3) EA. 2" NONMETAL CONDUIT AND (2) EA. 1" NONMETAL CONDUIT BETWEEN EACH STEEL STRAIN POLE (WITH OR WITHOUT MAST ARM) AND ITS ADJACENT PULLBOX.
19. INSTALL (2) EA. 2" NONMETAL CONDUIT AND (1) EA. 1" NONMETAL CONDUIT BETWEEN PEDESTAL POLE AND ITS ADJACENT PULLBOX.
20. APPROVED DETECTION (RADAR or VIDEO) AND 2070 CONTROLLERS SHALL BE CAPABLE OF WORKING IN THE EXISTING ADAPTIVE TRAFFIC CONTROL SYSTEM (SCATS) AND BE IP ADDRESSABLE.
21. APPROVED CCTV SURVEILLANCE CAMERAS SHALL BE IP ADDRESSABLE WITH BUILT-IN ENCODER.
22. LFE OR EQUIVALENT TRAFFIC SIGNAL HEADS ARE REQUIRED WITH INCANDESCENT LOOK L.E.D. MODULES AND ALUMINUM BACKPLATES WITH A 2" RETROREFLECTIVE TAPE BORDER.
23. PEDESTRIAN SIGNAL HEADS SHALL BE LED (ITE STANDARD) PEDESTRIAN AND COUNTDOWN (16"X 18" TYPE W/OVERLAPPING FULLY POPULATED HAND AND MAN + COUNTDOWN) AND SHALL BE INSTALLED FOR ALL PEDESTRIAN SIGNAL HEADS.
24. MOMENTARY PUSHBUTTONS (PRESSURE SENSITIVE) SHALL BE INSTALLED FOR ALL PUSHBUTTONS.
25. GROUNDING SHALL BE 5 OHMS OR LESS.
26. CONNECT POWER SERVICE TO CABINET WITH 1 INCH RIGID CONDUIT AND RISER.
27. ALL D3'S (STREET NAME SIGNS ON MAST ARMS OR SPAN WIRE) SHALL BE FURNISHED AND INSTALLED BY THE SIGNAL CONTRACTOR. REFER TO SIGNING AND MARKING GENERAL NOTES FOR SPECIFICATIONS.
28. MATERIALS LISTED FOR SIGNAL INSTALLATION ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE MATERIALS AND QUANTITIES REQUIRED FOR THE COMPLETE AND ACCEPTED INSTALLATION.
29. THE SIGNAL CONTRACTOR IS RESPONSIBLE FOR RELOCATIONS OF ANY SIGNAL WIRES AND/OR FIBER OPTIC CABLES ASSOCIATED WITH THIS PROJECT, INCLUDING POWER SERVICE TO SIGNAL EQUIPMENT. THIS ALSO INCLUDES RELOCATIONS OF EXISTING SIGNAL FACILITIES TO ALLOW OTHER UTILITY COMPANIES TO RELOCATE THEIR FACILITIES.
30. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY CONDITIONS PRIOR TO ANY CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
31. THE CONTRACTOR SHALL ADHERE TO THE CALL BEFORE YOU DIG LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT GEORGIA811 BEFORE BEGINNING CONSTRUCTION.
32. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE APPROPRIATE CLEARANCES FROM UTILITIES.
33. THE CONTRACTOR IS REQUIRED TO MAINTAIN FULL ACTUATED OPERATION OF ALL PEDESTRIAN SIGNALS AT THIS INTERSECTION DURING ALL PHASES OF CONSTRUCTION. THIS INCLUDES ACCESS TO ALL EXISTING PEDESTRIAN PUSH BUTTONS AND CROSSWALKS. INSTALLATION OF TEMPORARY POLES OR PEDESTALS, PEDESTRIAN SIGNAL DISPLAYS, PUSH BUTTONS, CONDUIT, OR WIRING MAY BE REQUIRED.
34. THE CONTRACTOR SHALL PROVIDE AT LEAST ONE TECHNICIAN WITH AN IMSA LEVEL II CERTIFICATION AT ANY TIME THE CONTRACTOR IS PRESENT ON THE JOB SITE.
35. APPROXIMATE LOCATIONS OF DETECTION (RADAR or VIDEO) ARE SHOWN ON THE PLANS. THE FINAL LOCATION OF ALL DETECTION (RADAR or VIDEO) MUST BE APPROVED BY THE SIGNAL INSPECTOR. RELOCATION OF UNAPPROVED DETECTION UNITS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
36. ALL MICROWAVE RADAR DETECTION UNITS SHALL BE GROUNDED TO THE POLE WITH A SEPARATE WIRE.

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 4 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, TP 1
- PULLBOX, TP 2
- PULLBOX, TP 4
- PULLBOX, TP 5
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

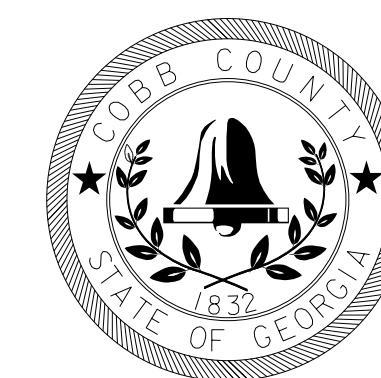
PROPOSED SIGNAL

- CONTROLLER CABINET WITH BATTERY BACKUP
- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4 SECTION HEAD W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP - (See ADA Detail)
- PULLBOX, TP 1
- PULLBOX, TP 2
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RIGID CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTRUCTION & MAINTANENCE OF SLOPES	REQ'D R/W AND LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

**NV5**

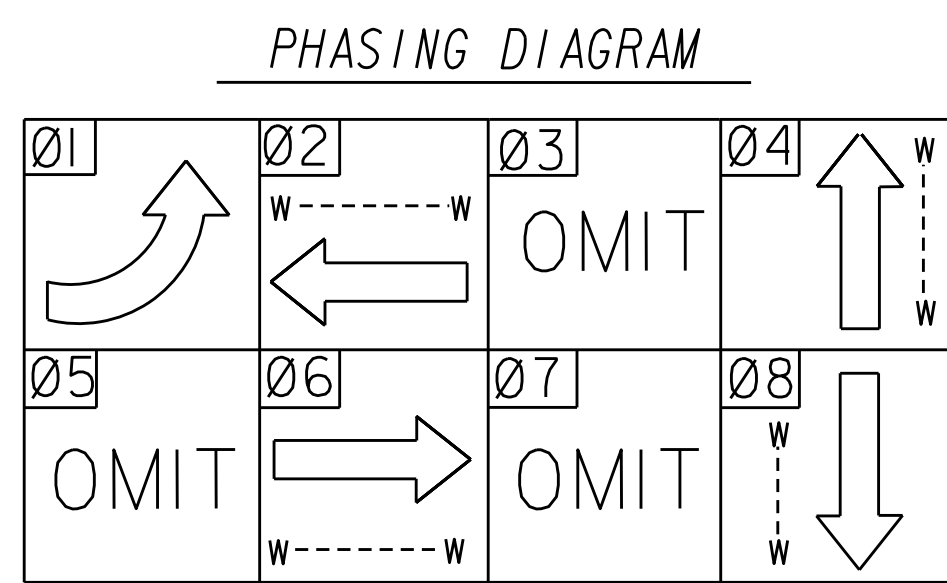
NV5 ENGINEERS & CONSULTANTS, INC.  
 10745 WESTSIDE WAY, SUITE 300  
 ALPHARETTA, GA 30009  
 P: 678.795.3600 www.NV5.com  
 GA License # PE0003715, LSFO000935  
 formerly CALYX Engineers & Consultants



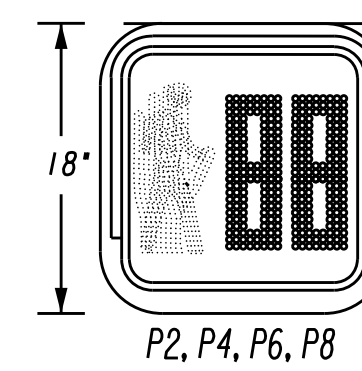
REVISION DATES


**SIGNAL PLANS**  
 MABLETON PARKWAY TRAIL  
 PHASE II

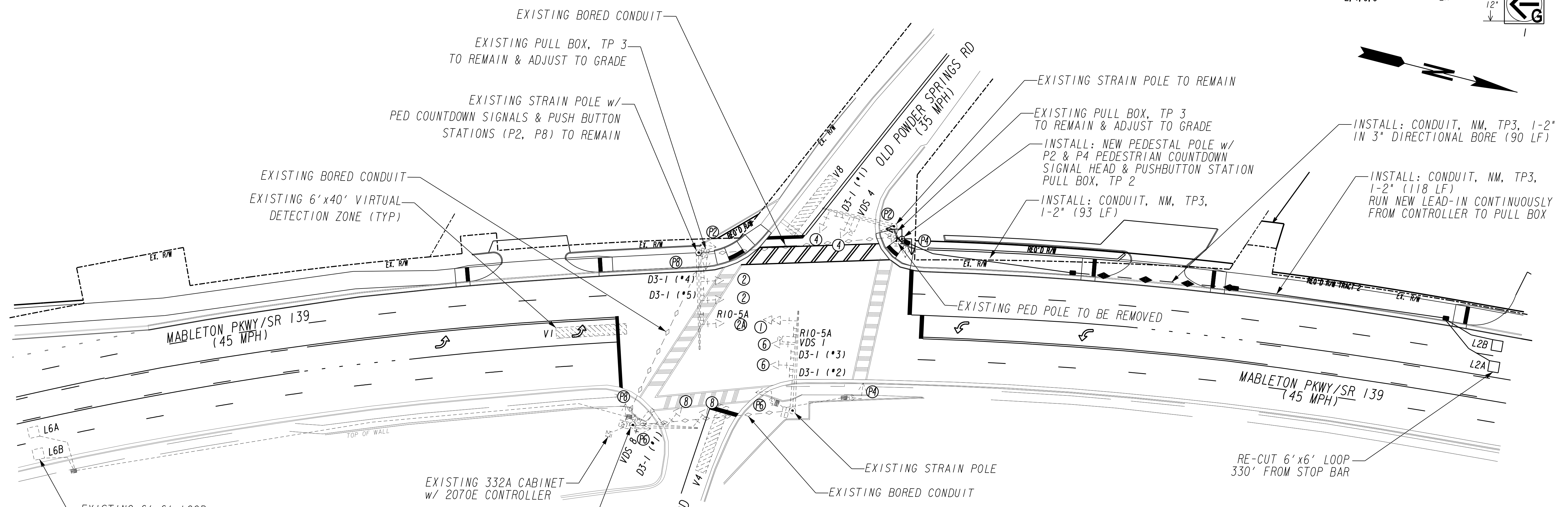
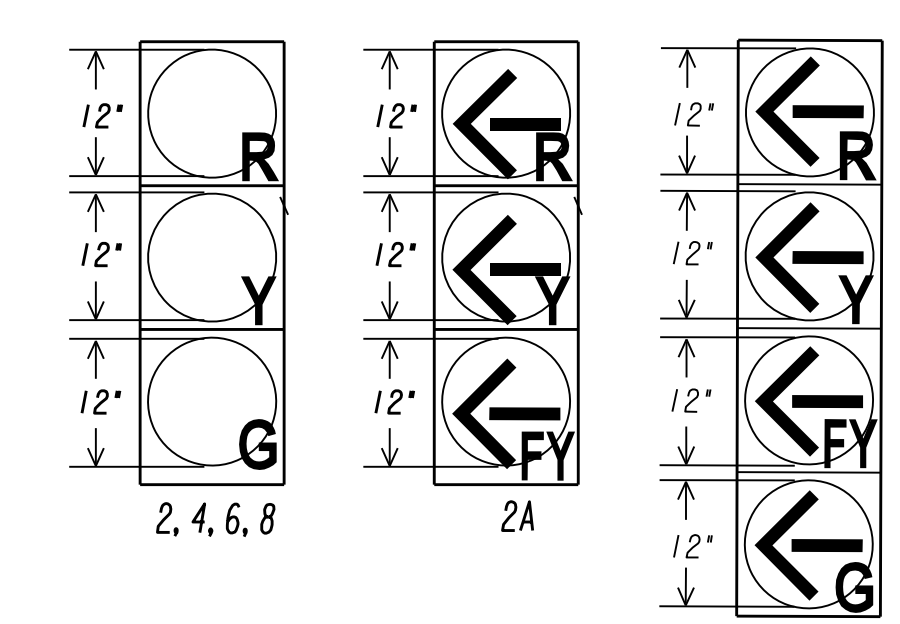
CHECKED:	DATE:	DRAWING No. <b>27-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



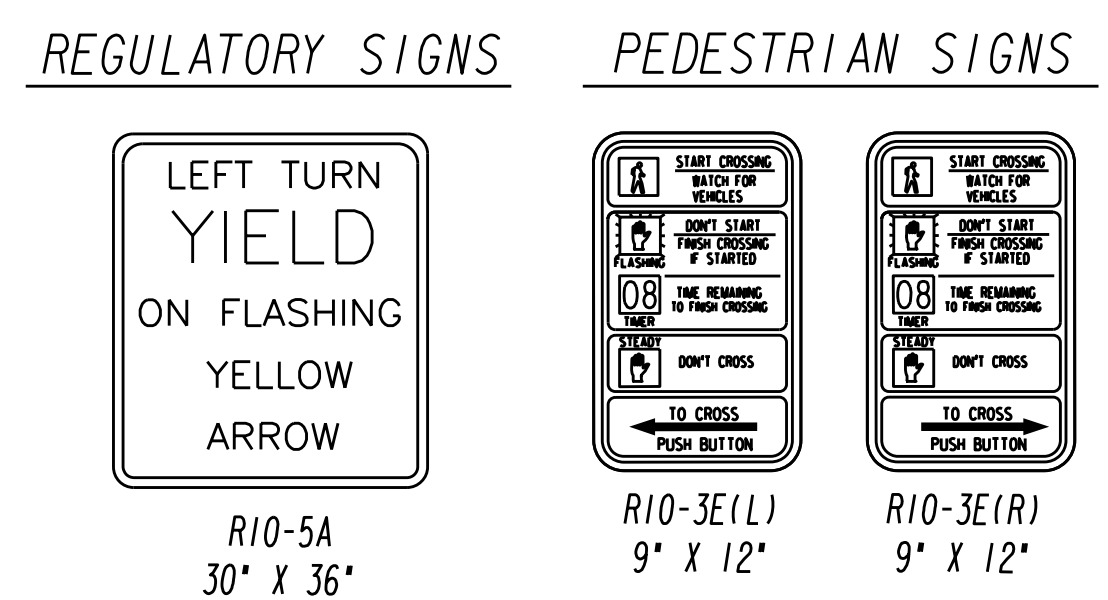
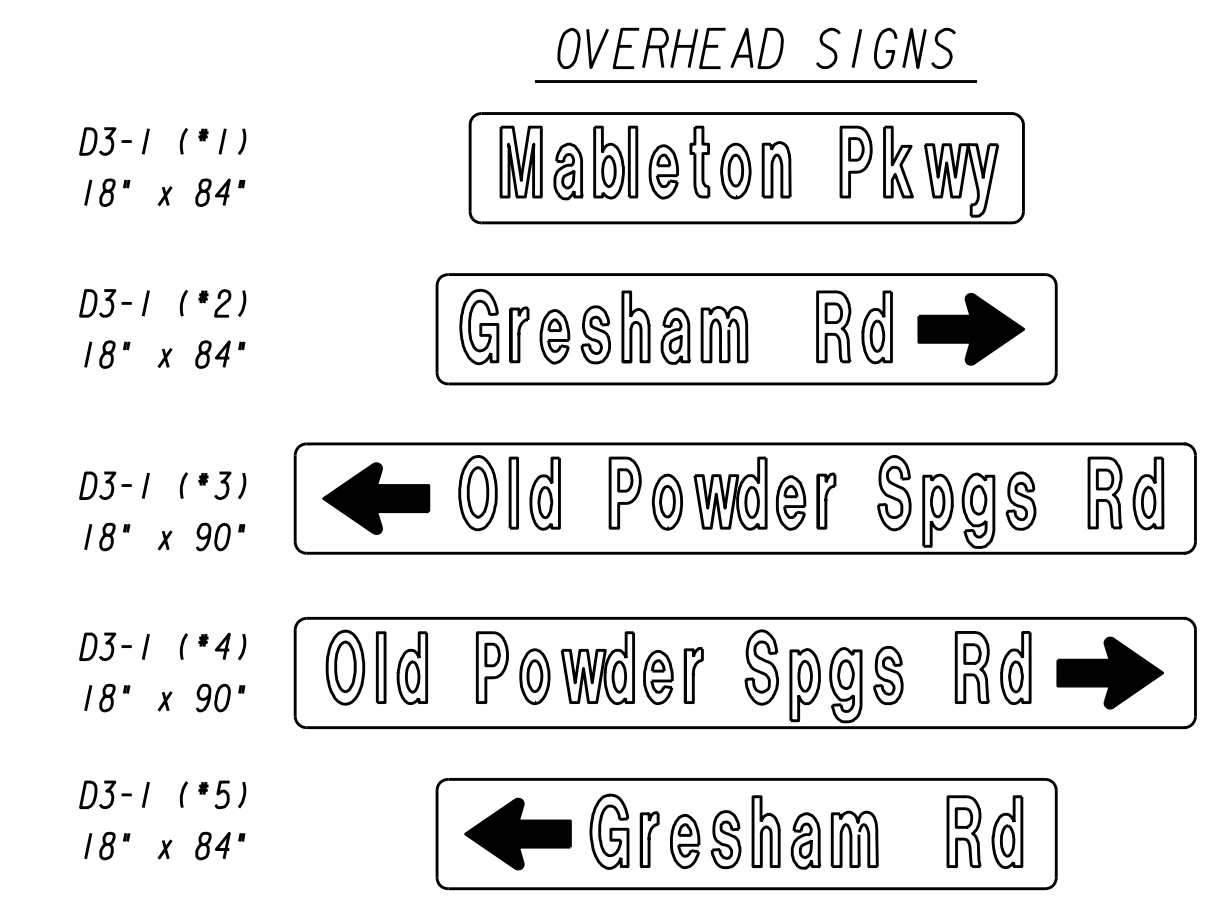
LED PEDESTRIAN  
COUNTDOWN SIGNAL HEAD



LED SIGNAL HEADS w/ BACKPLATES  
w/ RETRO-REFLECTIVE TAPE



**NOTE:**  
1. CONTRACTOR TO BUILD SIDEWALK AROUND EXISTING SIGNAL POLES ON WEST SIDE OF INTERSECTION AND RESET GRADE OF PULL BOXES FLUSH WITH NEW SIDEWALK.  
2. CONTRACTOR RESPONSIBLE FOR CUTTING NEW SETBACK LOOPS IF LOOP WIRES ARE DAMAGED DURING CONSTRUCTION.



**SIGNAL LEGEND**

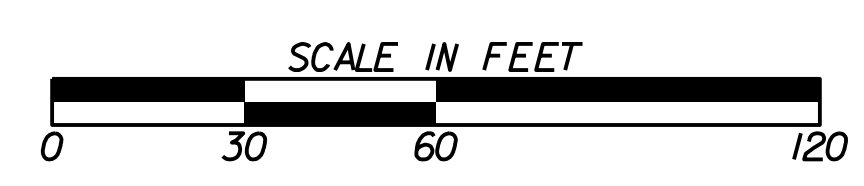
●	EXISTING STRAIN POLE	-->>C>	EXISTING 4-SECTION SIGNAL HEAD
+>	EXISTING 3-SECTION SIGNAL HEAD	+	EXISTING OVERHEAD STREET SIGN
23	EXISTING SIGNAL CABINET	↻	EXISTING PEDESTRIAN SIGNAL HEAD
↻	PROPOSED PEDESTRIAN SIGNAL HEAD		

**DETECTION LEGEND**

▨	EXISTING VIRTUAL DETECTION ZONE
□	EXISTING 6'x6' SETBACK LOOP
CCX	EXISTING VIDEO DETECTION CAMERA

**NV5**

NV5 ENGINEERS & CONSULTANTS, INC.  
10745 WESTSIDE WAY, SUITE 300  
ALPHARETTA, GA 30009  
P: 678.795.3600 www.NV5.com  
GA License # PEF003715, LSF000935  
formerly CALYX Engineers & Consultants



**REVISION DATES**


**SIGNAL PLANS**  
SR 139 / MABLETON PARKWAY @  
OLD POWDER SPRINGS ROAD  
INSTALLATION # 1

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

**TRAFFIC SIGNAL INSTALLATION \* 1 LIST OF MATERIALS**

ITEM	UNIT	QUANTITY
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY, YELLOW	EA	1
PEDESTAL POLE & SQUARE BASE	EA	1
PULL BOX, PB-2	EA	4
MISC MATL TO COMPLETE INSTALLATION	LS	LUMP

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

**PAY ITEMS**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LS	1
615-1200	DIRECTIONAL BORE, 3 IN	LF	90
682-6219	CONDUIT, NONMETAL, TP 3, 1 IN	LF	10
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	305
937-4000	INDUCTANCE LOOP DETECTION SYSTEM	LS	1
	B. 3-PAIR LOOP LEAD-IN CABLE, 14 AWG, PER 1000 FT.	REEL	1
	D. LOOP DETECTOR, 6 FT X 6 FT, BIPOLE	EA	2
937-4100	PEDESTRIAN DETECTION SYSTEM	LS	1
	B. 3-PAIR LOOP LEAD-IN CABLE, 14 AWG, PER 1000 FT.	REEL	1
	D. PUSH BUTTON STATION ASSEMBLY WITH SIGN	EA	1
	IV. PEDESTRIAN DUAL PUSH BUTTON STATION ADAPTER, 4 IN PEDESTAL POLE, ADJUSTABLE (ALUMINUM)	EA	1
	E. PUSHBUTTON REGULATORY SIGN (R10-3E)	EA	2

**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
CHANNEL 1	CARD	VIDEO DET	2-CHAN					VIDEO DET					DC ISO	DC ISO	DC ISO
	CI PIN	56	39	63	47	58	41	65	49	60	80	67	68	81	
	FUNCTION	V1	L2A				V4						Ø2 PED	Ø6 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		L2B										Ø4 PED	Ø8 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
CHANNEL 1	CARD		2-CHAN					VIDEO DET							
	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		L6A					V8							
	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		L6B												
	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

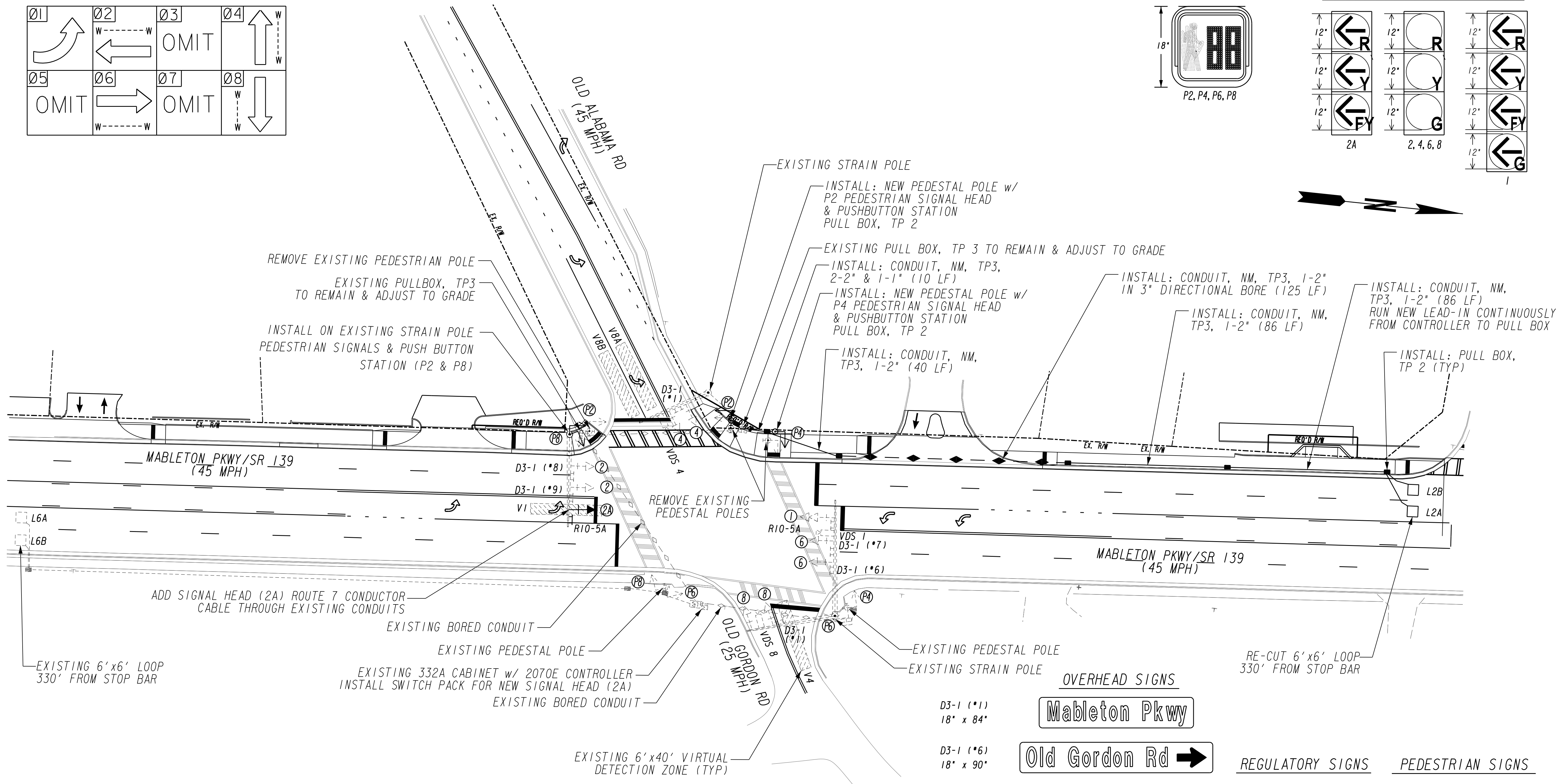
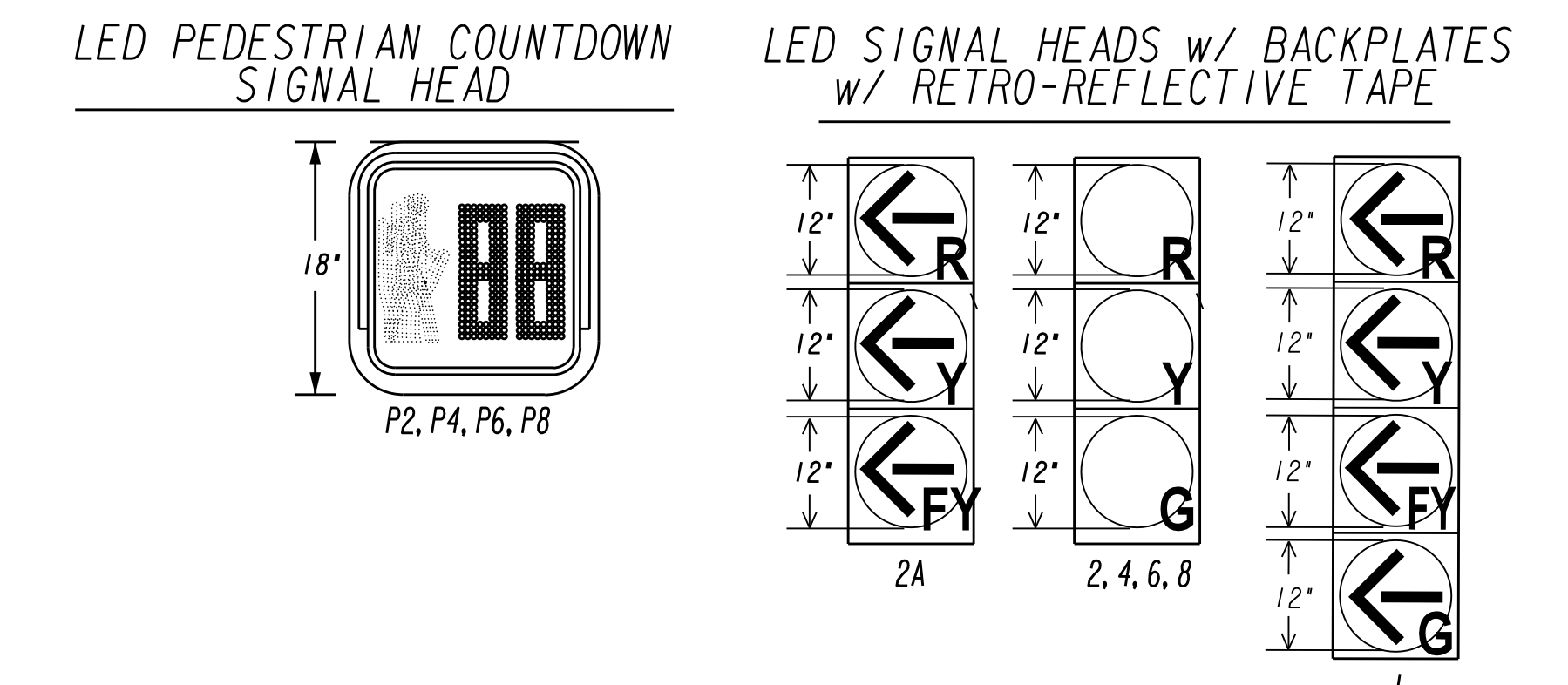
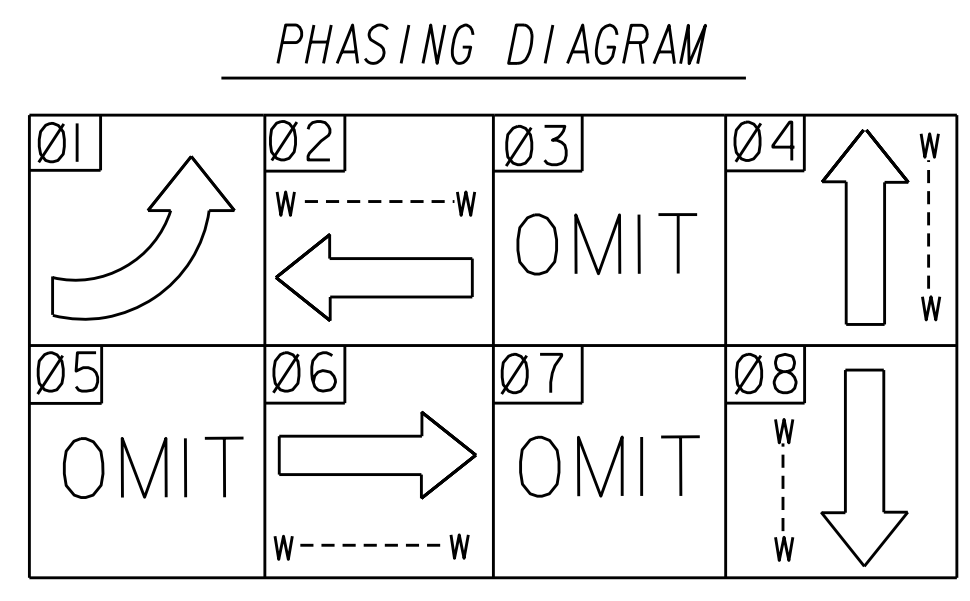


NV5 ENGINEERS & CONSULTANTS, INC.  
 10745 WESTSIDE WAY, SUITE 300  
 ALPHARETTA, GA 30009  
 P: 678.795.3600 www.NV5.com  
GA License # PEF003715, LSF000935  
 formerly CALYX Engineers & Consultants

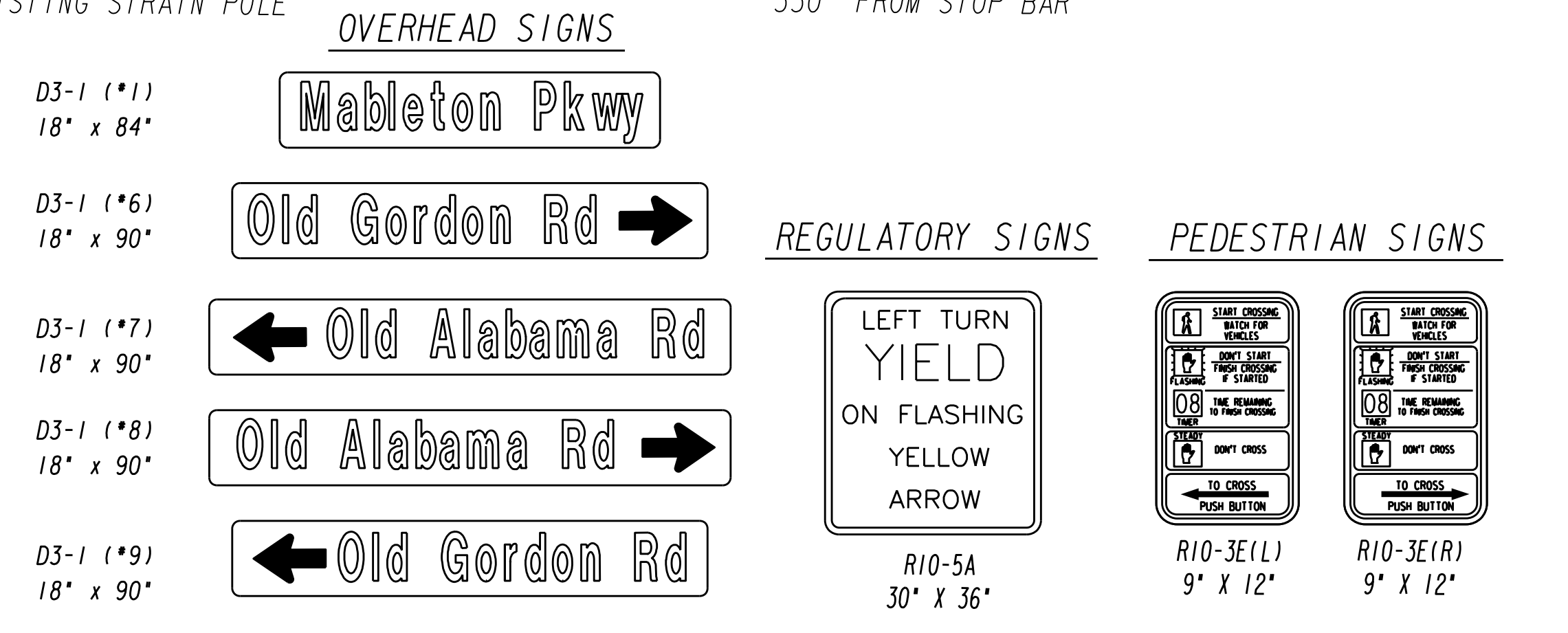
REVISION DATES


**SIGNAL PLANS**  
 MABLETON PARKWAY @ OLD POWDER  
 SPRINGS ROAD  
 INSTALLATION # 1

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

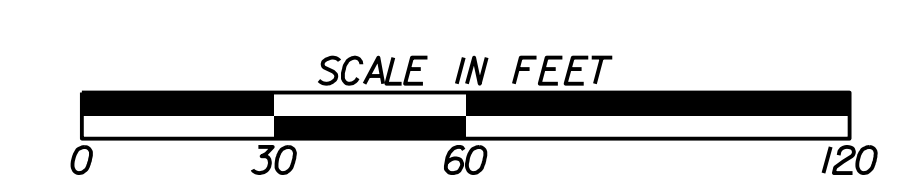


**NOTE:**  
1. CONTRACTOR TO BUILD SIDEWALK AROUND EXISTING SIGNAL POLES ON WEST SIDE OF INTERSECTION AND RESET GRADE OF PULL BOXES FLUSH WITH NEW SIDEWALK.  
2. CONTRACTOR RESPONSIBLE FOR CUTTING NEW SETBACK LOOPS IF LOOP WIRES ARE DAMAGED DURING CONSTRUCTION.



<p><b>SIGNAL LEGEND</b></p> <ul style="list-style-type: none"> <li>● EXISTING STRAIN POLE</li> <li>+→ EXISTING 3-SECTION SIGNAL HEAD</li> <li>2x3 EXISTING SIGNAL CABINET</li> <li>--&gt; EXISTING 4-SECTION SIGNAL HEAD</li> <li>↑ EXISTING OVERHEAD STREET SIGN</li> <li>↻ EXISTING PEDESTRIAN SIGNAL HEAD</li> <li>↻ PROPOSED PEDESTRIAN SIGNAL HEAD</li> </ul>		<p><b>DETECTION LEGEND</b></p> <ul style="list-style-type: none"> <li>EXISTING VIRTUAL DETECTION ZONE</li> <li>EXISTING 6'x6' SETBACK LOOP</li> <li>EXISTING VIDEO DETECTION CAMERA</li> </ul>		<p><b>REVISION DATES</b></p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>												<p><b>SIGNAL PLANS</b> MABLETON PARKWAY @ OLD ALABAMA ROAD INSTALLATION # 2</p> <table border="1"> <tr> <td>CHECKED:</td> <td>DATE:</td> <td>DRAWING No.</td> </tr> <tr> <td>BACKCHECKED:</td> <td>DATE:</td> <td>27-0004</td> </tr> <tr> <td>CORRECTED:</td> <td>DATE:</td> <td></td> </tr> <tr> <td>VERIFIED:</td> <td>DATE:</td> <td></td> </tr> </table>		CHECKED:	DATE:	DRAWING No.	BACKCHECKED:	DATE:	27-0004	CORRECTED:	DATE:		VERIFIED:	DATE:	
CHECKED:	DATE:	DRAWING No.																											
BACKCHECKED:	DATE:	27-0004																											
CORRECTED:	DATE:																												
VERIFIED:	DATE:																												

**NV5**  
NV5 ENGINEERS & CONSULTANTS, INC.  
10745 WESTSIDE WAY, SUITE 300  
ALPHARETTA, GA 30009  
P: 678.795.3600 www.NV5.com  
GA License # PE003715, LSP000635  
formerly CALYX Engineers & Consultants





TRAFFIC SIGNAL INSTALLATION \* 1 LIST OF MATERIALS

ITEM	UNIT	QUANTITY
SWITCH PACK	EA	1
3-SECTION, 12' SIGNAL HEAD LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	1
BACK PLATE FOR ONE-WAY, 3-SECTION, 12' SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING	EA	1
1-SECTION, 16' x 18' LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP	EA	4
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY, YELLOW	EA	2
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY - STEEL POLE	EA	1
PEDESTAL POLE & SQUARE BASE	EA	2
PULL BOX, PB-2	EA	6
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	1
MISC MATL TO COMPLETE INSTALLATION	LS	LUMP

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

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	LS	1
615-1200	DIRECTIONAL BORE, 3 IN	LF	125
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	360
937-4000	INDUCTANCE LOOP DETECTION SYSTEM	LS	1
	B. 3-PAIR LOOP LEAD-IN CABLE, 14 AWG, PER 1000 FT.	REEL	1
	D. LOOP DETECTOR, 6 FT X 6 FT, BIPOLE	EA	2
937-4100	PEDESTRIAN DETECTION SYSTEM	LS	1
	B. 3-PAIR LOOP LEAD-IN CABLE, 14 AWG, PER 1000 FT.	REEL	1
	D. PUSH BUTTON STATION ASSEMBLY WITH SIGN	EA	4
	II. PEDESTRIAN PUSH BUTTON STATION ADAPTER, 4 IN PEDESTAL POLE, ADJUSTABLE (ALUMINUM)	EA	4
	E. PUSHBUTTON REGULATORY SIGN (R10-3E)	EA	4

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
CHANNEL 1	CARD	VIDEO DET	2-CHAN				VIDEO DET						DC ISO	DC ISO	DC ISO
	CI PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION	V1	L2A				V4A						Ø2 PED	Ø6 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		L2B				V4B						Ø4 PED	Ø8 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
CHANNEL 1	CARD		2-CHAN				VIDEO DET								
	CI PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION		L6A				V8								
	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		L6B												
	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

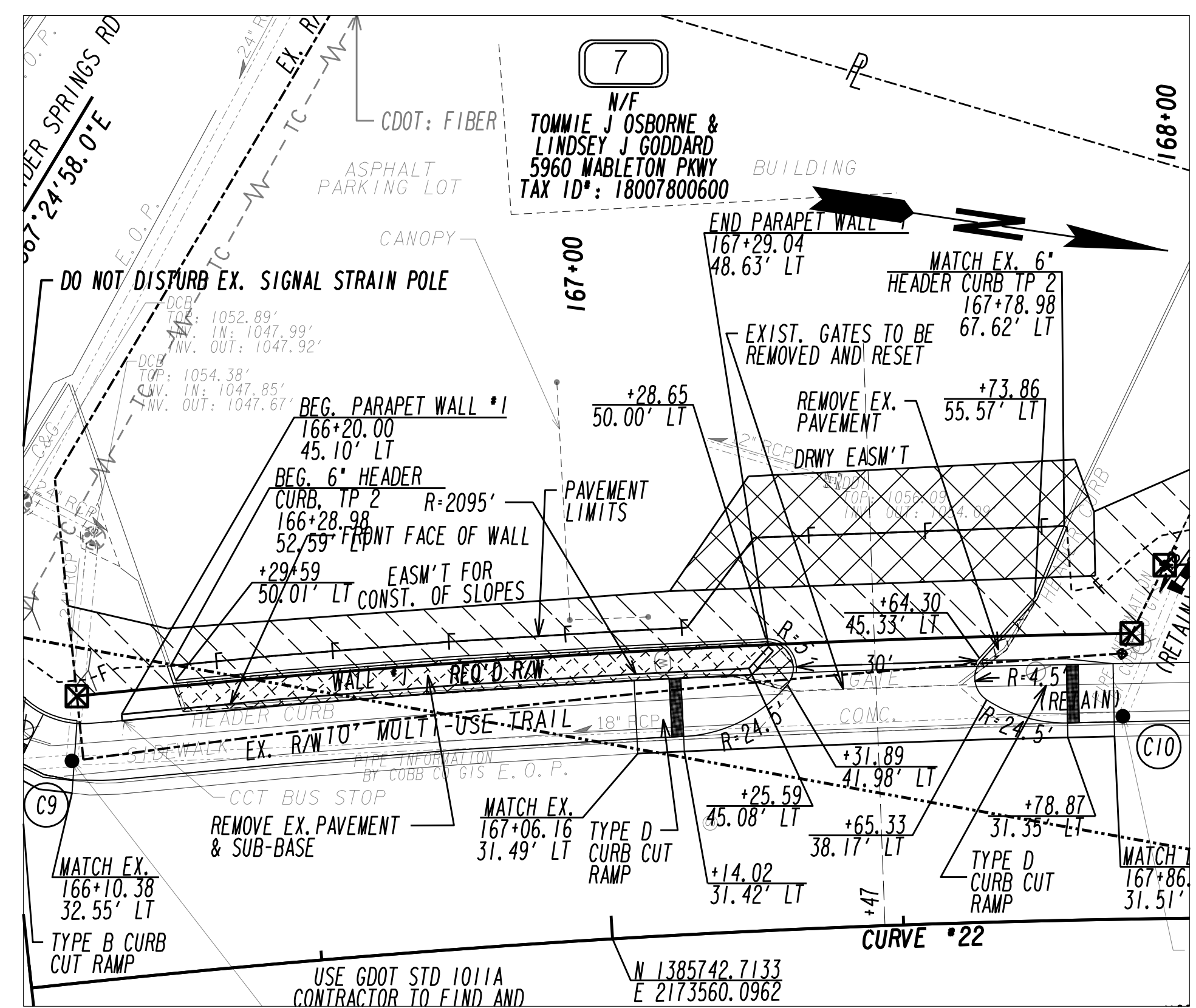


NV5 ENGINEERS & CONSULTANTS, INC.  
 10745 WESTSIDE WAY, SUITE 300  
 ALPHARETTA, GA 30009  
 P: 678.795.3600 www.NV5.com  
GA License # PEF003715, LSF000935  
 formerly CALYX Engineers & Consultants

REVISION DATES

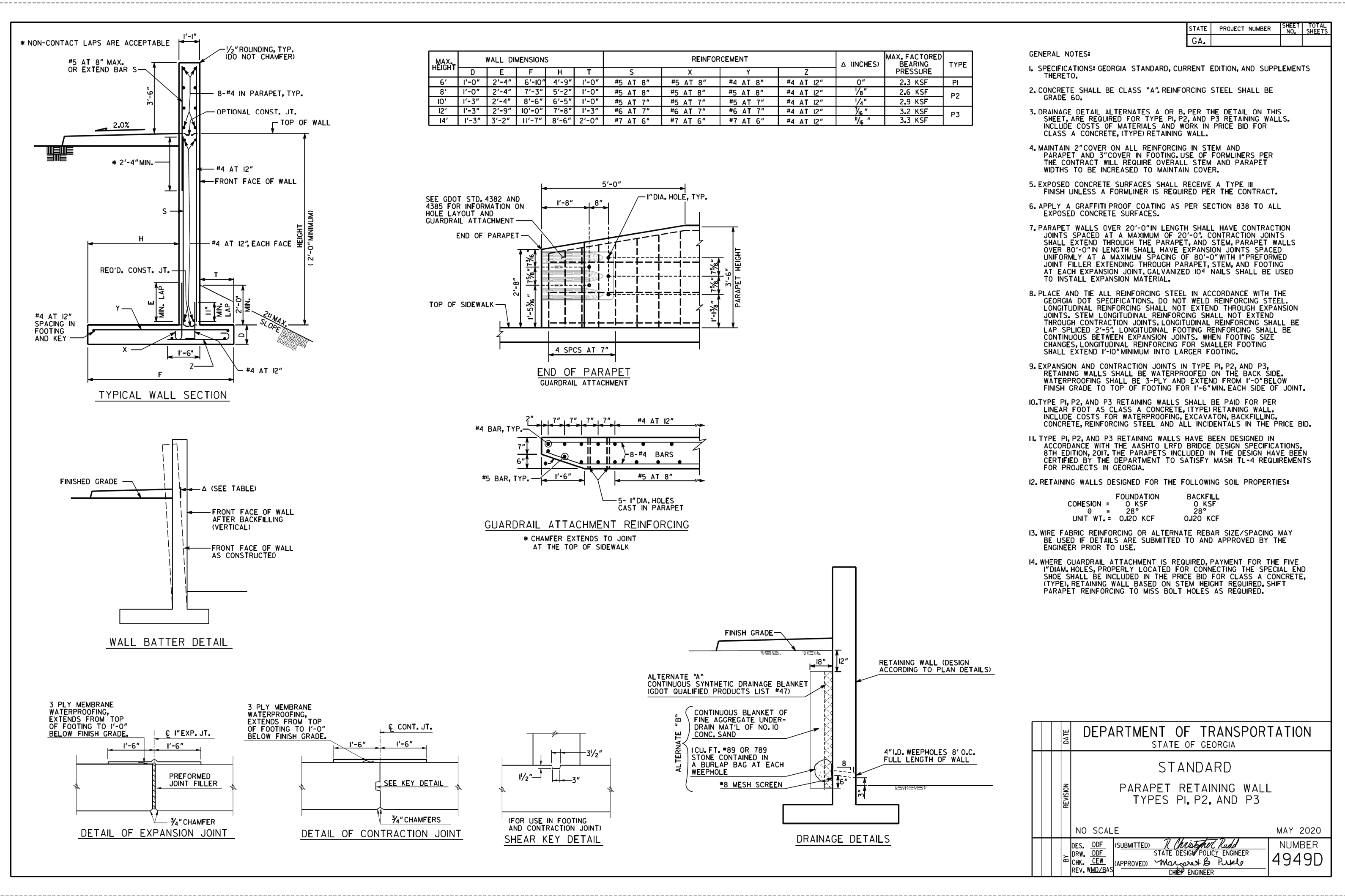
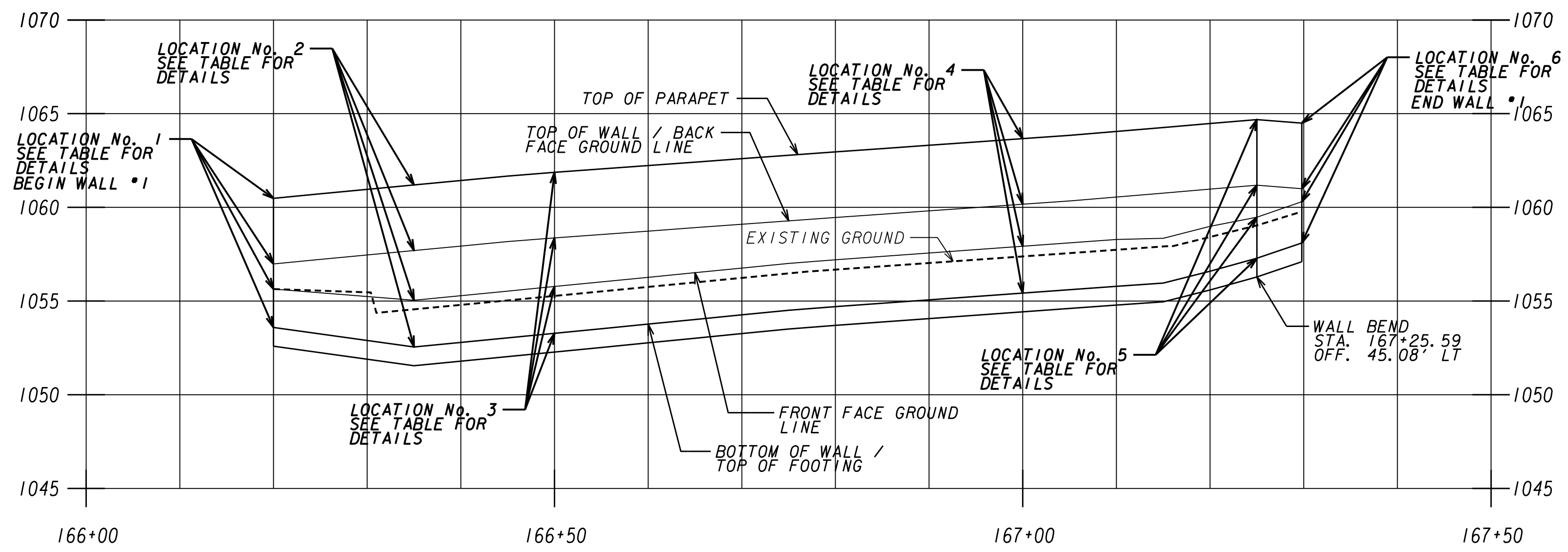

SIGNAL PLANS  
 MABLETON PARKWAY @ OLD ALABAMA ROAD  
 INSTALLATION # 2

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



WALL #1 PARAPET RETAINING WALL, TYPE P1 - PLAN VIEW  
20 SCALE  
SEE SHEET 13-0006

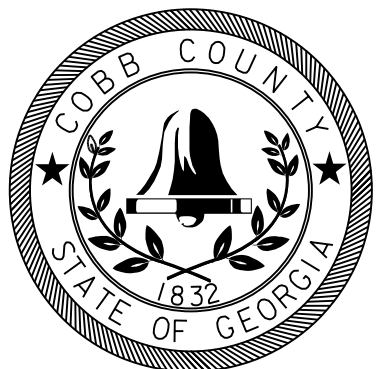
NOTE: WALL MAY REQUIRE TEMPORARY SHORING. COSTS SHALL BE INCLUDED IN OVERALL COST OF THE WALL.



NO.	DATE	DESCRIPTION

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
STANDARD  
PARAPET RETAINING WALL  
TYPES P1, P2, AND P3  
NO SCALE  
MAY 2020  
NUMBER  
4949D

WALL #1 PARAPET RETAINING WALL, TYPE P1 GDOT STANDARD 4949D							DESCRIPTION
WALL LOCATION	TOP OF PARAPET	TOP OF WALL / BACK FACE GROUND LINE	FRONT FACE GROUND LINE	BOTTOM OF WALL / TOP OF FOOTING			
No. 1	STATION 166+20.00	OFFSET 45.10' LT	ELEV. 1060.48	ELEV. 1056.98	ELEV. 1055.64	ELEV. 1053.59	BEGIN WALL
2	166+29.58	45.10' LT	1061.20	1057.70	1055.04	1052.55	BEGIN HEADER CURB AT PARKING LOT
3	166+50.00	45.10' LT	1061.87	1058.37	1055.78	1053.28	50' INTERVAL
4	167+00.00	45.10' LT	1063.67	1060.17	1057.93	1055.42	50' INTERVAL
5	167+26.03	45.10' LT	1064.68	1061.18	1059.48	1057.29	BEND IN WALL
6	167+29.04	48.63' LT	1064.50	1061.00	1060.30	1058.10	END WALL

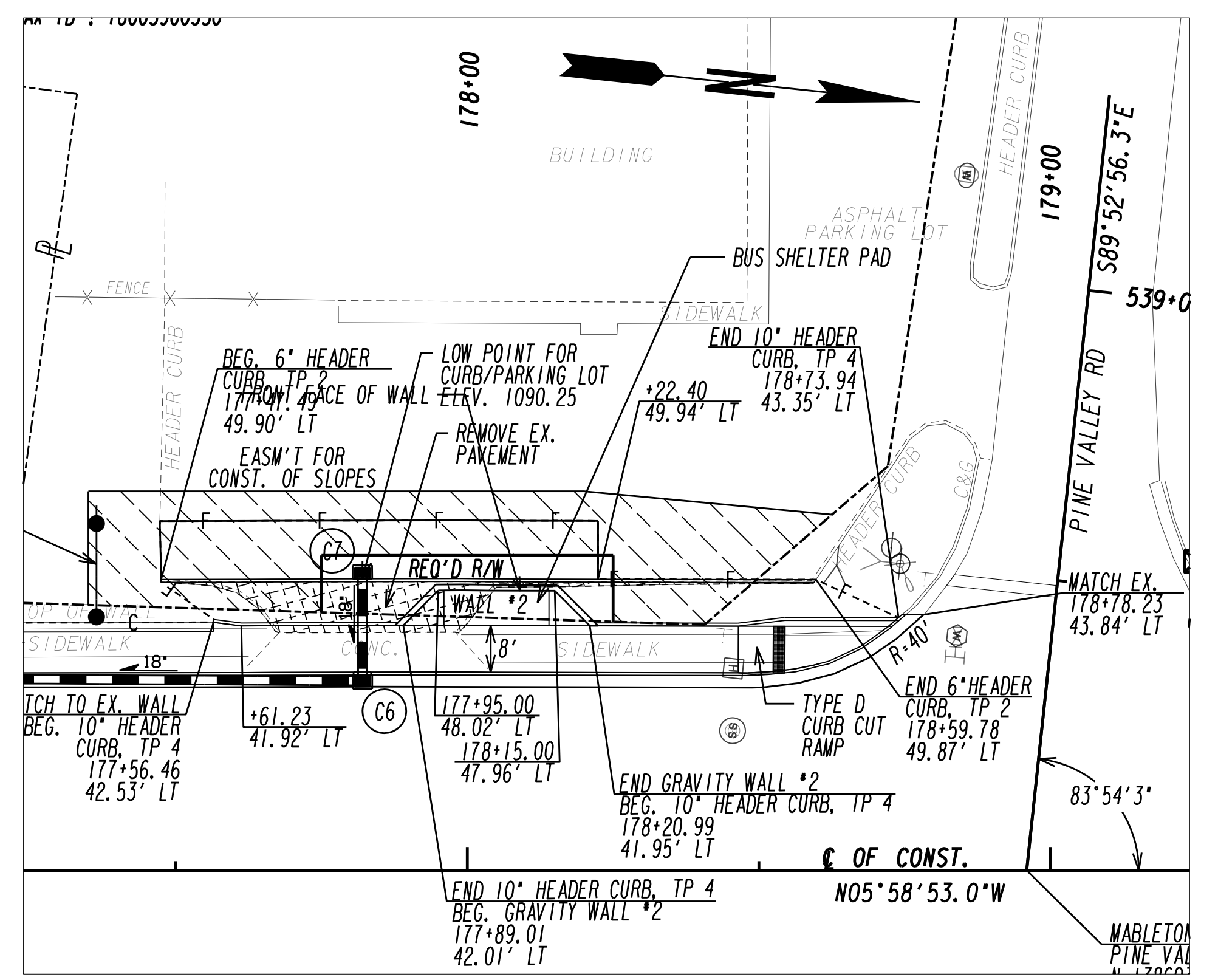


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT  
PROFESSIONAL ENGINEERING

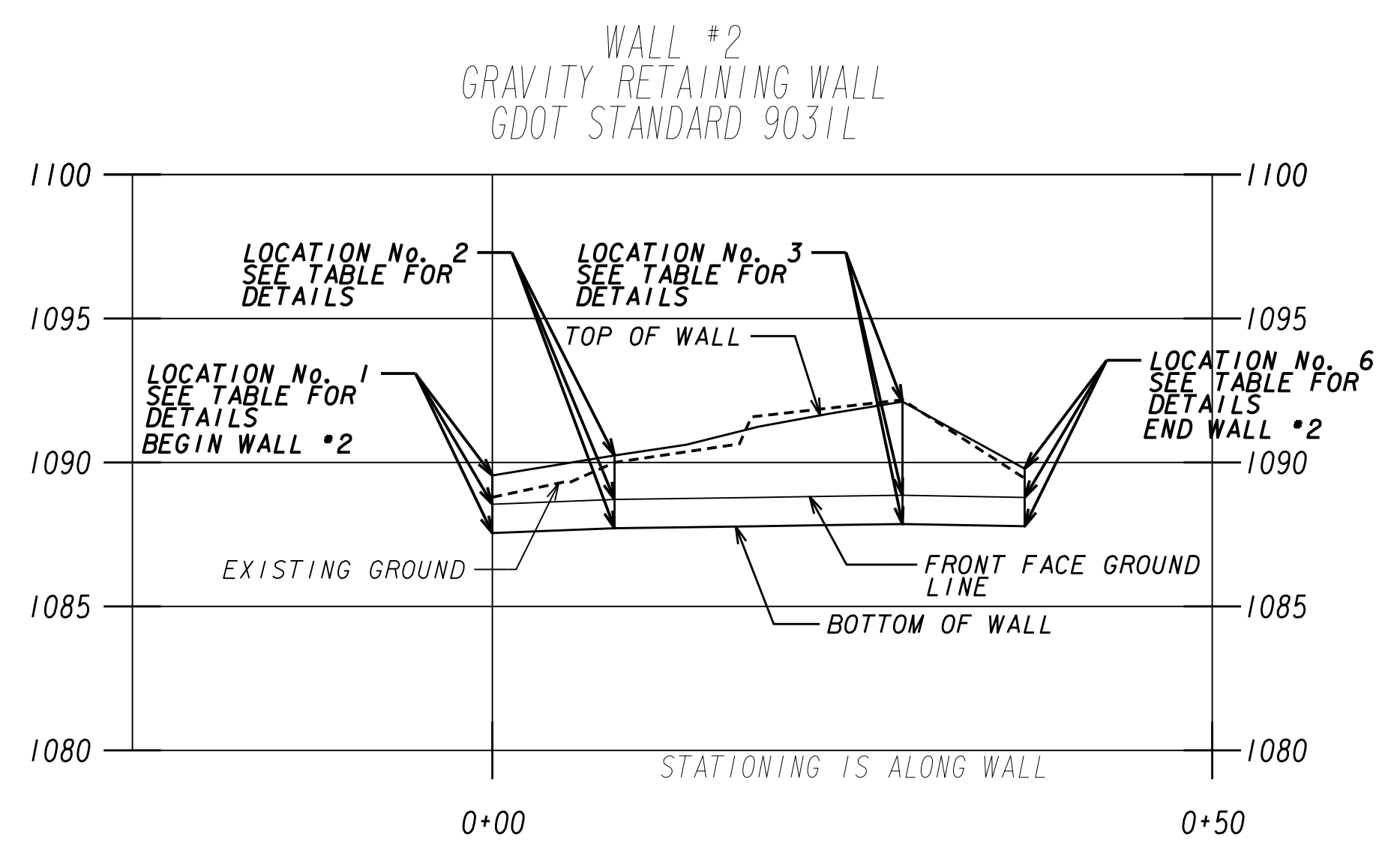
1" = 10' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES		RETAINING WALL ENVELOPES MABLETON PKWY TRAIL, PHASE 11	
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:		

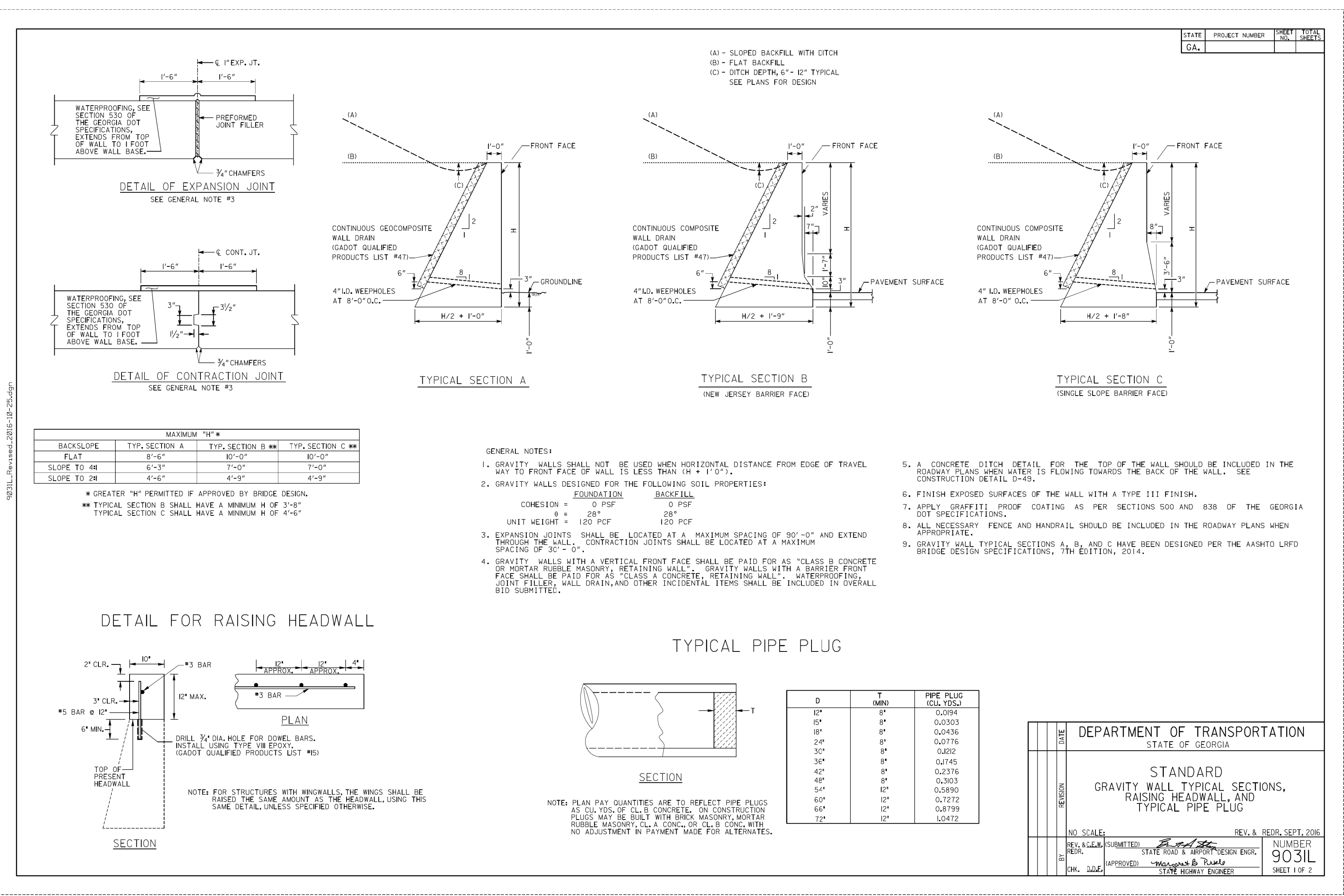
DRAWING No.  
**31-0001**



WALL #2  
GRAVITY RETAINING WALL- PLAN VIEW  
20 SCALE  
SEE SHEET 13-0008



WALL #2  
GRAVITY RETAINING WALL  
DOT STANDARD 9031L



DATE		DEPARTMENT OF TRANSPORTATION	
REV.	DESCRIPTION	BY	DATE
NO SCALE	REV. & REOR. SEPT. 2016		
REV. & CHECKED	SUBMITTED	STATE ROAD & BRIDGE DESIGN ENGR.	NUMBER
REV.	APPROVED	STATE ROAD & BRIDGE ENGR.	9031L
CHK. DATE	DATE	STATE ROADWAY ENGINEER	SHEET 1 OF 2

WALL #2 GRAVITY RETAINING WALL DOT STANDARD 9031L						
WALL LOCATION	TOP OF WALL	FRONT FACE GROUND LINE	BOTTOM OF WALL	DESCRIPTION		
No. 1	STATION 177+89.01	OFFSET 42.01' LT	ELEV. 1089.55	ELEV. 1088.55	ELEV. 1087.55	BEGIN WALL
2	177+95.00	48.02' LT	1090.24	1088.71	1087.71	BEND IN WALL
3	178+15.00	47.96' LT	1092.11	1088.86	1087.86	BEND IN WALL
4	178+20.99	41.95' LT	1089.79	1088.79	1087.79	END WALL

PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

1" = 10' HORIZONTAL  
1" = 5' VERTICAL

REVISION DATES

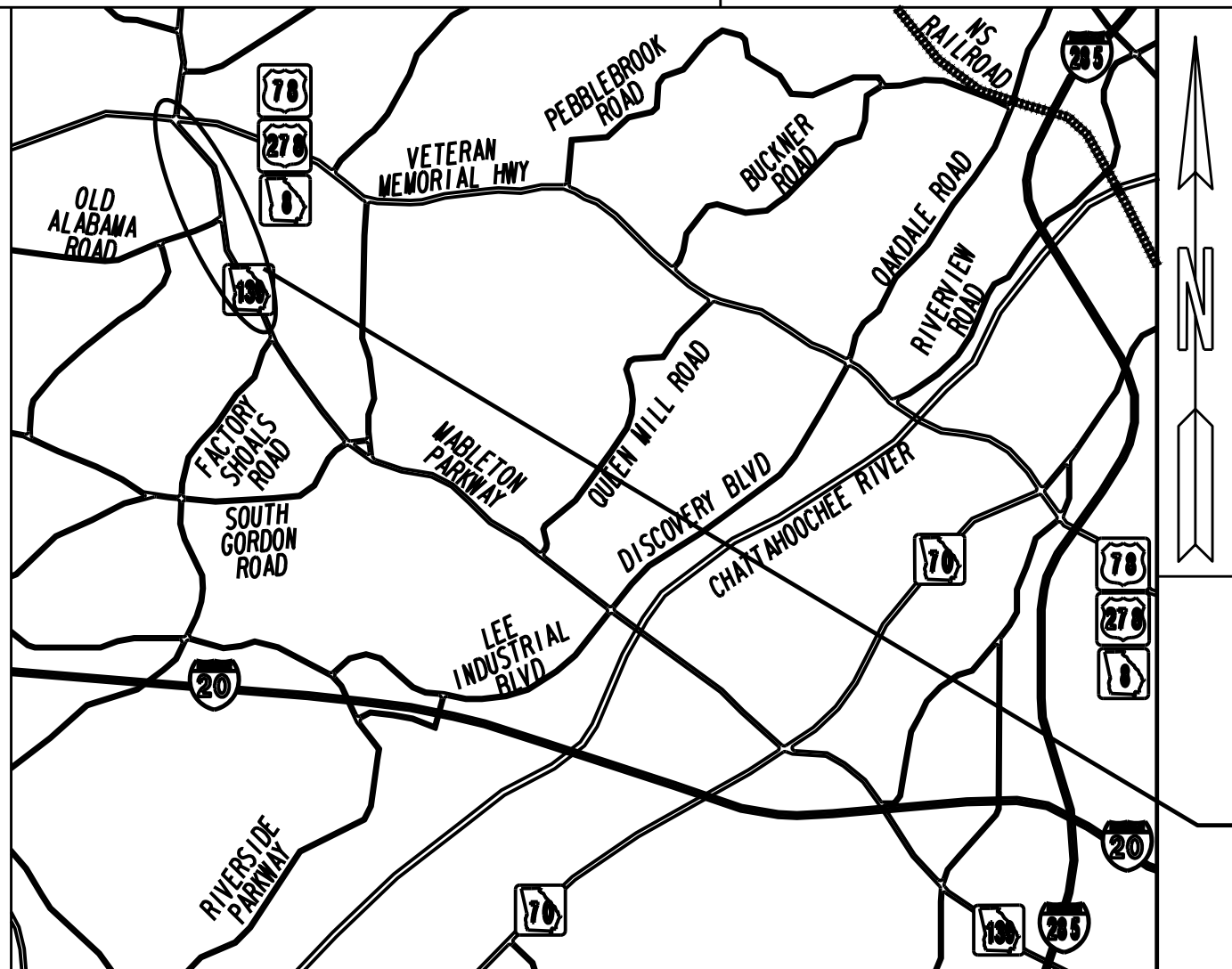

RETAINING WALL ENVELOPES

MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>31-0002</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

# COBB COUNTY DEPARTMENT OF TRANSPORTATION

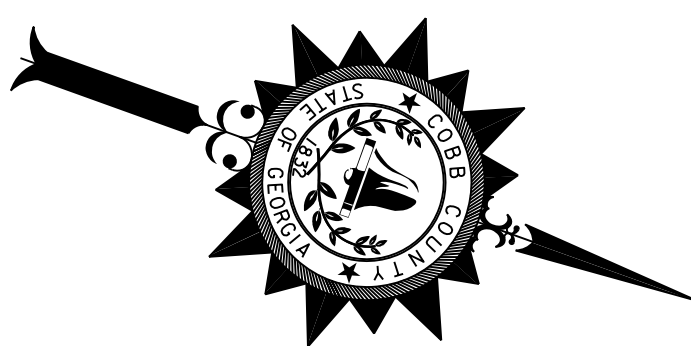
## EROSION, SEDIMENT, & POLLUTION CONTROL PLAN SR 139/MABLETON PKWY TRAIL, PHASE II COBB COUNTY PROJECT NO. X2770



PROJECT LOCATION

<b>BEGIN PROJECT COORDINATES</b>
Latitude: 33.8020° N
Longitude: 84.5675° W
<b>MID-POINT COORDINATES</b>
Latitude: 33.8109° N
Longitude: 84.5678° W
<b>END PROJECT COORDINATES</b>
Latitude: 33.8185° N
Longitude: 84.5762° W

**PRIMARY PERMITTEE**  
Cobb County Department of Transportation  
770-528-1653  
1890 County Services Parkway  
Marietta, Georgia 30008  
rustavius.ford@cobbcounty.org



This project has been prepared using the Horizontal Georgia Coordinate System of 1984 (NAD1983) 94 West Zone, and the North American Vertical Datum (NAVD) of 1988.

**24 HOUR CONTACT:**

Name \_\_\_\_\_

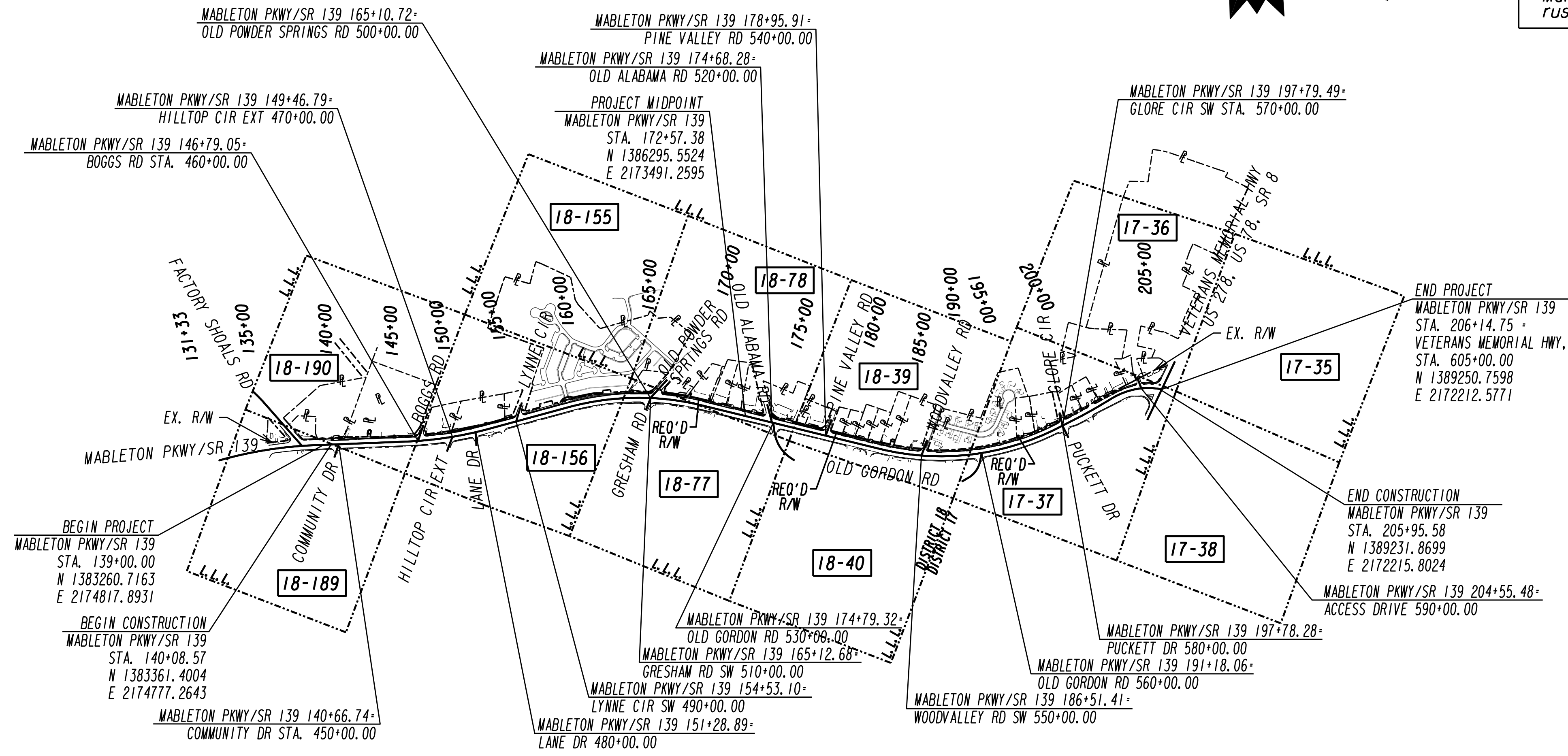
Phone Number \_\_\_\_\_

Contractor shall complete the information in this box.

PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

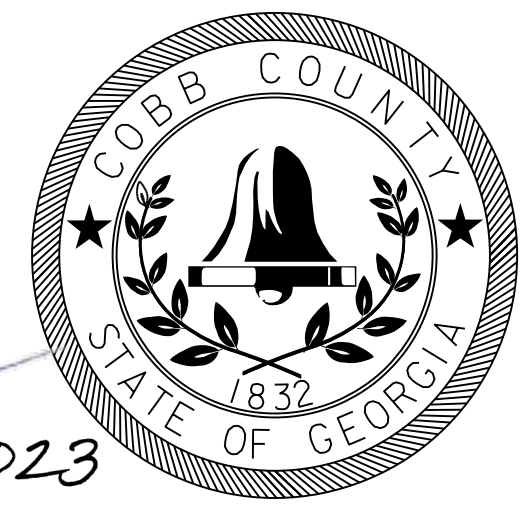


I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GARI00002.

I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GARI00002.

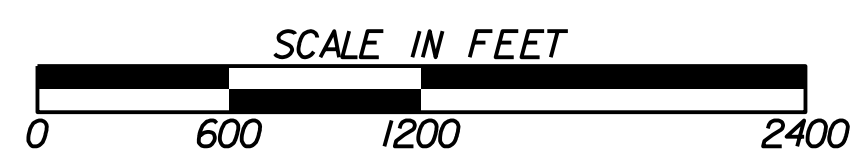
I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GARI00002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water.

I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision.



SUBMITTED BY: Rhandi Q. Gallegos, P.E. 0000013885  
GSWCC LEVEL II Certification Number

LENGTH OF PROJECT	COUNTY No. 067 Project No. X2770
	MILES
NET LENGTH OF ROADWAY	1.271
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.271
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.271



PLANS COMPLETED 5/5/2023				
REVISIONS				
DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.*

DRAWING No. 50-0001

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST**  
**INFRASTRUCTURE CONSTRUCTION PROJECTS**  
**SWCD: Cobb County SWCD**  
**Project Name: Mableton Pkwy Trail, Phase II Address: Mableton Parkway Between Community Drive and Veteran Memorial Parkway**  
**City/County: Cobb Date on Plans: Friday, May 5, 2023**  
**Name & email of person filling out checklist: Luke Beavin, lbeavin@aei.cc**

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional (Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
51-0003	Y	5 Note total and disturbed acreages of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8 Descriptions of the nature of construction activity and existing site conditions.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
51-0003, 55-0001	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D & c.(3) page 37 of the permit as applicable. *
51-0003	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wooded vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." *
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-0002	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0002	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biotic Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0002	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-0003	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
51-0003	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN				
51-0003	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *				
51-0003	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *				
51-0003	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *				
55-0001	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *				
51-0002, 54-0001 - 54-0039	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *				
50, 53 - 55	Y	37 Graphic scale and North arrow.				
53-0001, 54-0001 - 54-0039, 55-0001	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table border="1" style="margin-left: 20px;"> <tr><td>Existing Contours</td><td>USGS 1": 2000' Topographical Sheets</td></tr> <tr><td>Proposed Contours</td><td>1": 400' Centerline Profile</td></tr> </table>	Existing Contours	USGS 1": 2000' Topographical Sheets	Proposed Contours	1": 400' Centerline Profile
Existing Contours	USGS 1": 2000' Topographical Sheets					
Proposed Contours	1": 400' Centerline Profile					
51-0003	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.				
51-0003	Y	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *				
54-0001 - 54-0039	Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.				
54-0001 - 54-0039	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.				
53-0001 & 55-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.				
53-0001 & 55-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1": 2000' topographical sheets.				
53-0001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.				
51-0003	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.				
51-0002	Y	47 Soil series for the project site and their delineation.				
54-0001 - 54-0039	Y	48 The limits of disturbance for each phase of construction.				
54-0001 - 54-0039	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet/sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.				
54-0001 - 54-0039	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.				
56-	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.				
51-0002	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.				

\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the \* checklist items would be N/A.

Effective January 1, 2023

<p><b>SUBMITTED BY:</b> Rhondal O. Gallegos, P.E. <span style="float: right;">5/05/2023</span></p> <p style="text-align: right;">0000013885 GSMCC LEVEL II Certification Number</p>	<p>PLANS PREPARED AND SUBMITTED BY:</p> <p><b>AMERICAN ENGINEERS, INC.</b> DESIGN CONSULTANT</p> <p style="font-size: small;">         O 65 Aberdeen Drive, Glasgow, KY 42044 (502) 658-1700          O 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813          O 560 Acworth Landing Drive, Acworth, GA 30011 (770) 421-8422       </p>	<p style="font-size: 2em; text-align: center; color: blue;">NTS</p>	<p style="text-align: center;"><b>REVISION DATES</b></p> <table border="1" style="width: 100%; height: 100px;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																			<p style="text-align: center;"><b>ESPCP GENERAL NOTES</b> MABLETON PKWY TRAIL, PHASE II</p> <table border="1" style="width: 100%;"> <tr> <td>CHECKED:</td> <td>DATE:</td> <td rowspan="4" style="text-align: center; vertical-align: middle; font-size: 1.5em;">DRAWING No. 51-0001</td> </tr> <tr> <td>BACKCHECKED:</td> <td>DATE:</td> </tr> <tr> <td>CORRECTED:</td> <td>DATE:</td> </tr> <tr> <td>VERIFIED:</td> <td>DATE:</td> </tr> </table>	CHECKED:	DATE:	DRAWING No. 51-0001	BACKCHECKED:	DATE:	CORRECTED:	DATE:	VERIFIED:	DATE:
CHECKED:	DATE:	DRAWING No. 51-0001																													
BACKCHECKED:	DATE:																														
CORRECTED:	DATE:																														
VERIFIED:	DATE:																														

**ESPCP GENERAL NOTES**

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

**ESPCP ALTERATIONS**

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Amendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

**CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES**

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Stage 1A:  
Install Initial BMPs throughout project corridor prior to other construction activities.

Stage 1:  
Begin grading, construct drainage, sidewalks, driveways, curb & gutter, etc. All construction to take place within this stage. Install intermediate BMPs and temporary grassing/mulch.

Stage 2:  
Finish final grading and sodding. Remove intermediate BMPs and cleanup project site.

**SITE STABILIZATION AND VEGETATION PLANTING SCHEDULE**

The EPD General NPDES GARI00002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

**BMP INSTALLATION AND MAINTENANCE MEASURES**

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

**PETROLEUM STORAGE, SPILLS AND LEAKS**

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GARI00002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

**WASTE DISPOSAL**

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

**DEWATERING AND PUMPING ACTIVITIES**

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GARI00002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

**NONSTORMWATER DISCHARGES**

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paints, oils, curing compounds, and other construction materials.

**READY MIX CHUTE WASH DOWN**

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river; (2) access to the vehicle being used for wash down; (3) sufficient volume for wash-down water; and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

**OTHER CONTROLS**

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

**POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT**

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of vegetation, riprap at pipe outlets for velocity dissipation and outlet stabilization, slope stabilization matting. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.


**SOIL SERIES INFORMATION**


The following is a summary of the soils that are expected to be found on the project site:

Mableton Parkway Trail, Phase II	
Symbol	Name
AmB	Appling sandy loam, 2 to 6 percent slopes
AmC	Appling sandy loam, 6 to 10 percent slopes
MDC3	Madison clay loam, 6 to 10 percent slopes, severely eroded
MDE3	Madison clay loam, 15 to 25 percent slopes, severely eroded
MgB2	Madison sandy loam, 2 to 6 percent slopes, moderately eroded
MgD2	Madison sandy loam, 10 to 15 percent slopes, eroded
MsD3	Madison and Pcaolet soils, 10 to 15 percent slopes, severely eroded
Ron	Roanoke silt loam
UhC	Urban land - Madison complex, 2 to 10 percent slopes

**SILT FENCE INSTALLATION WITH J HOOKS AND SPURS**

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.


  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.
  
 DATE: 5/05/2023
  
 PROJECT NO: 0000013885
  
 CERTIFICATION: GSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: James O'Neil
  

  
 0 65 Aberdeen Drive, Glasgow, KY 42048 (502) 658-1220
   
 0 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813
   
 0 560 Acworth Landing Drive, Acworth, GA 30011 (770) 421-9422
   
 AMERICAN ENGINEERS, INC.
   
 PROFESSIONAL ENGINEERING
   
 DESIGN CONSULTANT
   
 www.aei.com

REVISION DATES	

**ESPCP GENERAL NOTES**
  
 MABLETON PKWY TRAIL, PHASE II
   
 CHECKED: \_\_\_\_\_ DATE: \_\_\_\_\_
   
 BACKCHECKED: \_\_\_\_\_ DATE: \_\_\_\_\_
   
 CORRECTED: \_\_\_\_\_ DATE: \_\_\_\_\_
   
 VERIFIED: \_\_\_\_\_ DATE: \_\_\_\_\_
   
 DRAWING No.
   
51-0002

**SEDIMENT STORAGE**

The site has a total disturbed area of 2.14 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Outfall	Location	Total Drainage Area (ac)	Disturbed Area (ac)	Required Sediment Storage Volume (yd <sup>3</sup> )	Total Storage Volume Provided (yd <sup>3</sup> )	Rock Filter Dams (25 yd <sup>3</sup> /each)		Check Dams (16 yd <sup>3</sup> /each)		Inlet Sediment Traps (12 yd <sup>3</sup> /each)		Silt Gates (12 yd <sup>3</sup> /each)		Silt Fence (0.3 yd <sup>3</sup> /ft)	
						# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	# of Devices	Total Volume (yd <sup>3</sup> )	Length (ft)	Total Volume (yd <sup>3</sup> )
A	143+07.89, 81' LT	2.16	0.23	145	49	1	25	0	0	2	24	0	0	0	0
B	150+97.51, 36' LT	5.97	0.39	400	132	0	0	0	0	11	132	0	0	0	0
C	156+81.82, 37' RT	18.04	1.29	1209	745	0	0	0	0	21	252	7	84	1364	409
D	184+09.05, 77' LT	2.55	0.18	171	73	1	25	0	0	4	48	0	0	0	0
E	204+11.13, 58' RT	7.85	0.73	526	264	0	0	0	0	19	228	3	36	0	0
Total Sheet Flow		0.61	0.61	41	297	0	0	0	0	0	0	0	989	297	0

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

**USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:**

No alternative or additional BMP's will be used on this project.

**DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT**

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

**STATE-WATER BUFFER IMPACTS**

State-water buffers, as defined by O.C.G.A.12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point where vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

**SAMPLING LOCATIONS AND GENERAL NOTES**

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

SAMPLING INFORMATION										OUTFALL CHARACTERISTICS					
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi <sup>2</sup> )	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
1	143+07.89, 81' LT	Tributary to Nickajack Creek	All	Outfall	30.20	N/A	Warm	400	N/A	Existing 24" Pipe	Road Widening (Sidewalk)	0.23	0.10	6	A
2	150+97.51, 36' LT	Tributary to Nickajack Creek	All	Outfall	30.20	N/A	Warm	400	N/A	Existing 30" Pipe	Road Widening (Sidewalk)	0.39	0.02	6	B, C
3	156+81.82, 37' RT	Tributary to Nickajack Creek	All	Outfall	30.20	N/A	Warm	400	N/A	Proposed 24" Pipe	Road Widening (Sidewalk)	0.18	0.04	6	D
4	184+09.05, 77' LT	Tributary to Nickajack Creek	All	Outfall	30.20	N/A	Warm	400	N/A	Existing 24" Pipe	Road Widening (Sidewalk)	0.73	0.03	6	E

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

**RIPRAP OUTLET PROTECTION**

Station and Offset	Pipe Diameter D <sub>0</sub> (ft)	Q <sub>25</sub> (ft <sup>3</sup> /s)	V <sub>25</sub> (ft/s)	Tailwater Condition (TW<0.5 D <sub>0</sub> , TW>0.5 D <sub>0</sub> )	Width at Drainage Structure W <sub>1</sub> (ft)	Apron Length L <sub>a</sub> (ft)	Downstream Width W <sub>2</sub> (ft)	Average Stone Diameter d <sub>50</sub> (ft)	Apron Thickness D (ft)	Riprap Type	Quantity (yd <sup>2</sup> )
143+07.89, 81' LT	2.00	7.85	5.45	TW>0.5 D <sub>0</sub>	6.00	10.00	12.67	0.26	2.00	Type 3	11
156+81.82, 37' RT	2.00	9.32	5.38	TW>0.5 D <sub>0</sub>	6.00	10.00	12.67	0.26	2.00	Type 3	11

**ACTIVITY SCHEDULE**

ACTIVITY / MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
INITIAL EROSION AND SEDIMENT CONTROL	█																	
INTERMEDIATE EROSION AND SEDIMENT CONTROL		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
CLEARING AND GRUBBING									█	█	█	█	█	█	█	█	█	█
GRADING																		
STORM DRAINAGE																		
UTILITY RELOCATION																		
PAVING																		
MAINTAIN EROSION CONTROL																		
FINAL STABILIZATION																		
CLEAN UP																		

**WATER QUALITY INSPECTING AND SAMPLING PROCEDURES**

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

**RETENTION OF RECORDS**

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GARIO002.

**INSPECTIONS AND REPORTING**

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5 of the current GARIO002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department Inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.



SUBMITTED BY: Rhandi O. Gallegos, P.E. 0000013885 GSICC LEVEL II Certification Number

5/05/2023

PLANS PREPARED AND SUBMITTED BY: **AEI** AMERICAN ENGINEERS, INC. DESIGN CONSULTANT PROFESSIONAL ENGINEERING

NTS

**REVISION DATES**

**ESPCP GENERAL NOTES**

MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	51-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE 	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS.  IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
		LINE CODE 	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS.  WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
		SYMBOL 	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.  MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER.
		SYMBOL 	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds2	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST.  TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS.
		SYMBOL 	THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON.  PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION.  THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL 	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION.  SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS.
		PATTERN 	THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
F1-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION.  ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs!
		SYMBOL 	FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.  STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
		PATTERN 	

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
 0000013885  
 Rhandi O. Gallegos, P.E. GSICC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: *James Griffin*  

 65 Aberdeen Drive, Glasgow, KY 42424  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

N. T. S.

REVISION DATES	
3/2/2017	

**EROSION CONTROL LEGEND**  
 UNIFORM CODE SHEET  
 SHEET 1 OF 7  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	52-0001



CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS.  SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP).  SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS.  NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH.  TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING.  REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS.  THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE.  IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS.  REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS.  IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS.  IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE.  SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS.  IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.  TYPICALLY NOT SHOWN IN PLANS.
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.  "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.  "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

SUBMITTED BY: *Rhandi O. Gallegos, F.E.* 5/05/2023 0000013885  
 Rhandi O. Gallegos, F.E. QSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

N. T. S.

REVISION DATES	
3/2/2017	
11/28/2018	

**EROSION CONTROL LEGEND**  
 UNIFORM CODE SHEET  
 SHEET 2 OF 7  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-271	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-272	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-273	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-274	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-275	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-276	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4' THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.  *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.  RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.E. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS.  ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
	SYMBOL		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps.  THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.  CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".


  
 SUBMITTED BY: Rhandi O. Gallegos, P.E.
  
 DATE: 5/05/2023
  
 ID: 0000013885
  
 GSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: AEI
  
 0 65 Aberdeen Drive, Glasgow, KY 42044
   
 0 2500 Nelson Miller Parkway, Louisville, KY 40223
   
 0 560 Acworth Landing Drive, Acworth, GA 30001
   
 0 2500 Nelson Miller Parkway, Louisville, KY 40223
   
 AMERICAN ENGINEERS, INC.

N. T. S.

REVISION DATES	
3/2/2017	

**EROSION CONTROL LEGEND**
  
 UNIFORM CODE SHEET
   
 SHEET 3 OF 7
   
 MABLETON PKWY TRAIL, PHASE 11

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


52-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps.  THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.  CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps.  THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.  CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS *Dn1* OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION.  REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP.  RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE 		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10".  THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE 		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".


  
 SUBMITTED BY: Rhandi U. Gallegos, P.E. 00013885  
 5/05/2023  
 GSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: AEI  
 65 Aberdeen Drive, Glasgow, KY 42424 (502) 651-1220  
 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

N. T. S.

REVISION DATES	
3/2/2017	

**EROSION CONTROL LEGEND**  
 UNIFORM CODE SHEET  
 SHEET 4 OF 7  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	52-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.  REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR ADDITIONAL INFORMATION ON USAGE.
	CONSTRUCTION DETAIL D-46 SECTION 163	SYMBOL 	
Rd	ROCK FILTER DAM		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH *57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS.  THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS.  ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	CONSTRUCTION DETAIL D-43 SECTION 163, 603	SYMBOL 	
Rd-B	STONE FILTER BERM		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH *57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS.  STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	CONSTRUCTION DETAIL D-50 SECTION 163, 603	LINE CODE 	
Rp	RIP-RAP		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS.  RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	SECTION 603	PATTERN 	
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER.  SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA.  SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA.  REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
	CONSTRUCTION DETAIL D-44 SECTION 163	SYMBOL 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	
Rt-B	RETROFITTING SLOTTED BOARD DAM		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5' - 1.0' SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER.  PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA  ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES  REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.	
	CONSTRUCTION DETAIL D-45 SECTION 163	SYMBOL 		
Rt-Sg1	RETROFITTING SILT CONTROL GATES		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA.  DO NOT USE SILT GATES IN STATE WATERS.  Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS	
				CONSTRUCTION DETAIL D-20 SECTION 163
				SYMBOL 
SdI-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.  TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'.  IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.	
				CONSTRUCTION DETAIL D-24 SECTION 171
SdI-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.  TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER.  ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS.  IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.	
				CONSTRUCTION DETAIL D-24 SECTION 171
		LINE CODE 		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

SUBMITTED BY: *Rhandi U. Gallegos* 5/05/2023 0000013885  
 Rhandi U. Gallegos, P.E. GSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: *James Griffin*  

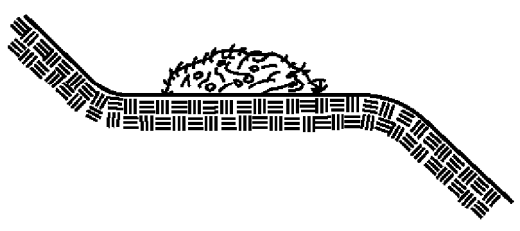
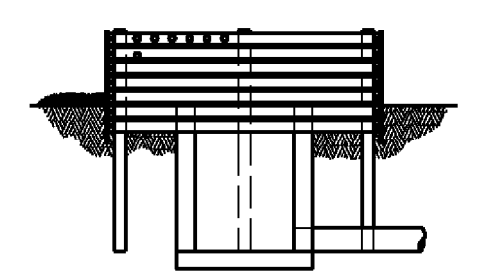

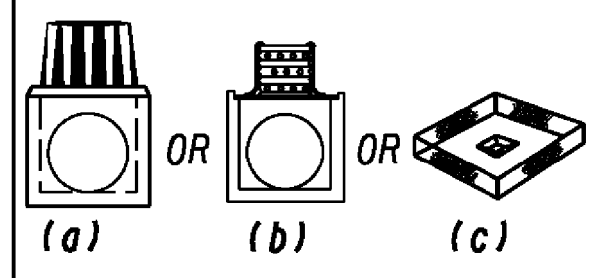
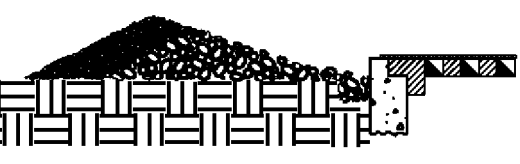
 65 Aberdeen Drive, Glasgow, KY 42044 (502) 658-1200  
 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT

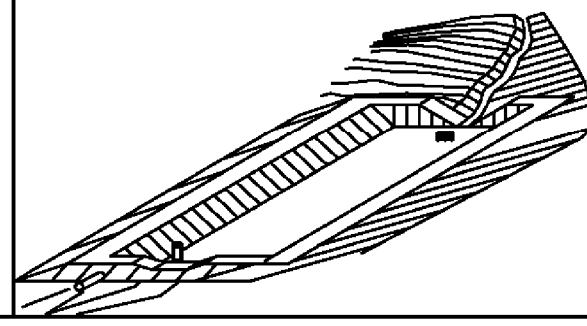
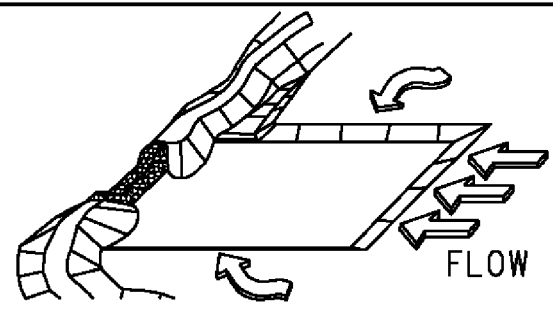
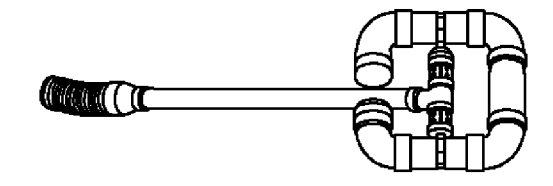
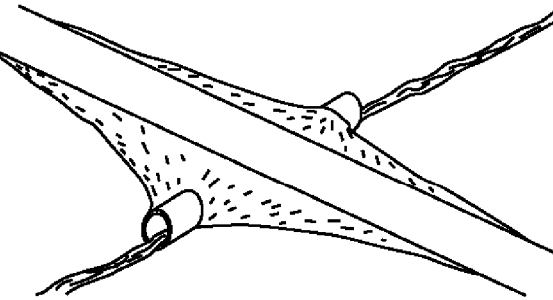
N. T. S.

REVISION DATES	
3/2/2017	

**EROSION CONTROL LEGEND**  
 UNIFORM CODE SHEET  
 SHEET 5 OF 7  
 MABLETON PKWY TRAIL, PHASE 11


CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	52-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER  CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS.  TYPICALLY NOT SHOWN ON PLANS.  PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE  * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL  Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL  Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%.
	SYMBOL  Sd2-F		THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL  Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN  CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS.  SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL  Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP  CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET.  A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED.  REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL  Sd4-C		
Sk	FLOATING SURFACE SKIMMER  CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS.  SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE.  REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL  Sk		
Sr	TEMPORARY STREAM CROSSING  SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN.  THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".  FOR CONTRACTOR'S USE ONLY!
	SYMBOL  Sr		

**NOTE:**

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".


  
 SUBMITTED BY: Rhandi U. Gallegos, P.E. 5/05/2023 0000013885  
 GSWCC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY: AEI  
 65 Aberdeen Drive Glasgow, KY 42044 (502) 651-1220  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 345-3813  
 AMERICAN ENGINEERS, INC. DESIGN CONSULTANT PROFESSIONAL ENGINEERING

N. T. S.

REVISION DATES	
3/2/2017	
11/28/2018	

**EROSION CONTROL LEGEND**  
 UNIFORM CODE SHEET  
 SHEET 6 OF 7  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	52-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM.  IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
		SYMBOL 	
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED.  TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 +/- 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 +/- 0.7 FEET.
		PATTERN FLAT AREA  OR  WELL-DEFINED CHANNEL	REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER.  IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS.  IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
		LINE CODE 	
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.  THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.  IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
		LINE CODE 	
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.  THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.  IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
		LINE CODE 	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd2-P	SEE THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA SIXTH EDITION FOR ADDITIONAL INFORMATION		ONCE PAVEMENT HAS BEEN INSTALLED, OR ON EXISTING INLETS, A CURB INLET FILTER SHALL BE INSTALLED ON INLETS RECEIVING RUNOFF FROM DISTURBED AREAS. THIS METHOD OF INLET PROTECTION SHALL BE REMOVED IF SAFETY HAZARD IS CREATED. PIN-IN-A-BLANKET: 8 IN CMU WRAPPED IN FILTER FABRIC OR GRAVEL BAGS CONSTRUCTED BY WRAPPING *57 STONE WITH FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL. A GAP OF 4 INCHES SHALL BE LEFT BETWEEN THE INLET FILTER AND THE INLET.
		LINE CODE 	

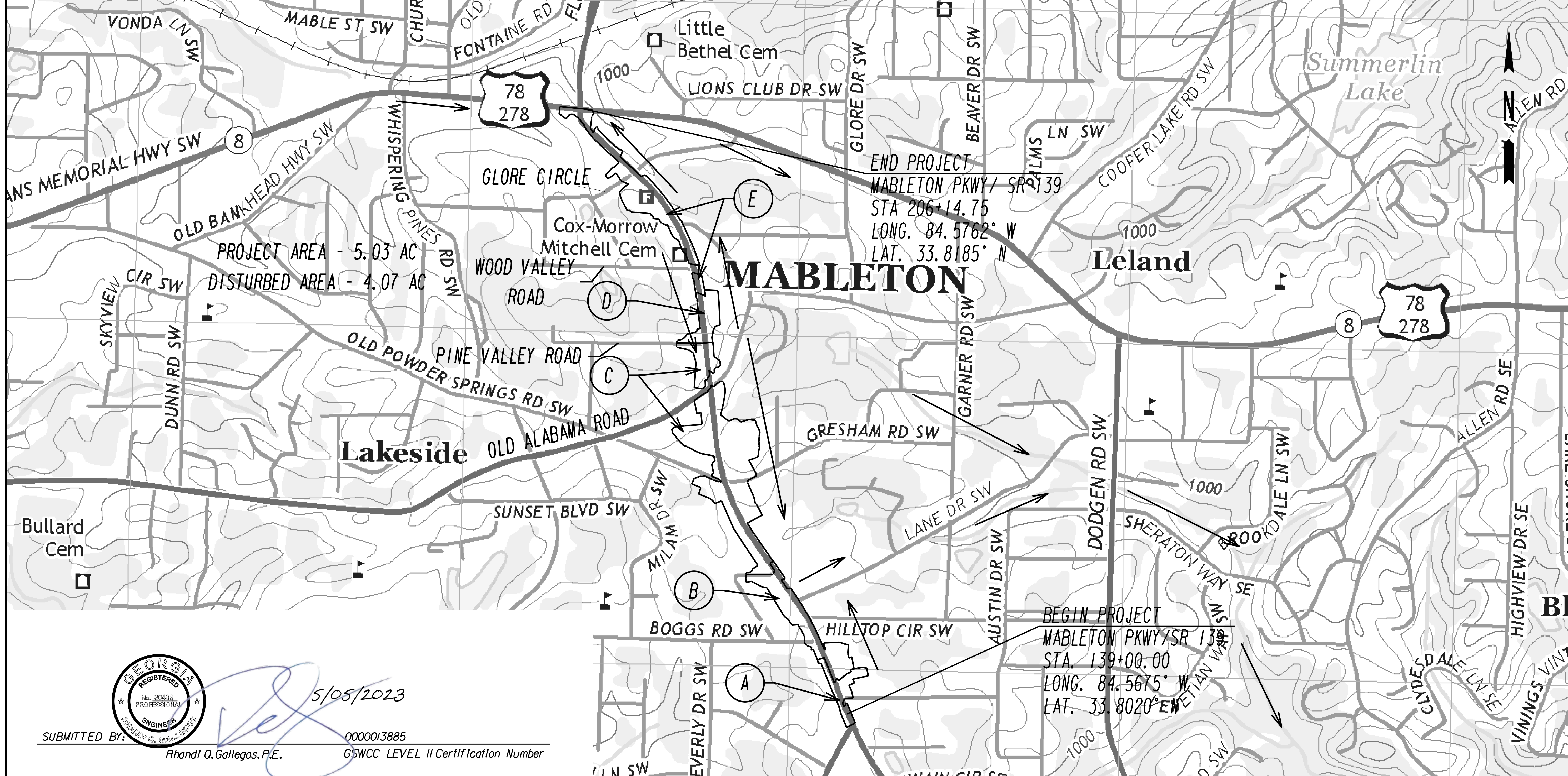
- NOTE:**
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
  - FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

SUBMITTED BY: 5/05/2023  
 0000013885  
 Rhandi O. Gallegos, P.E. GSICC LEVEL II Certification Number

PLANS PREPARED AND SUBMITTED BY:   
 0 65 Aberdeen Drive  
 Glasgow, KY 42044  
 (502) 651-1220  
 0 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

N. T. S.

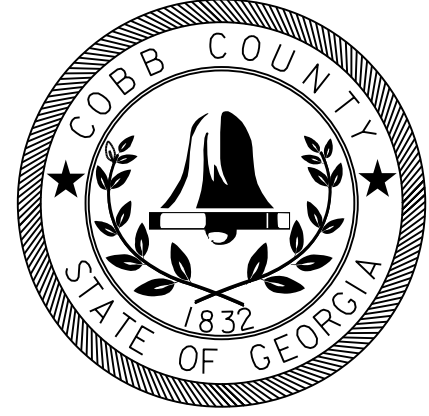
REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 7 OF 7	
		MABLETON PKWY TRAIL, PHASE 11	
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	52-0007	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



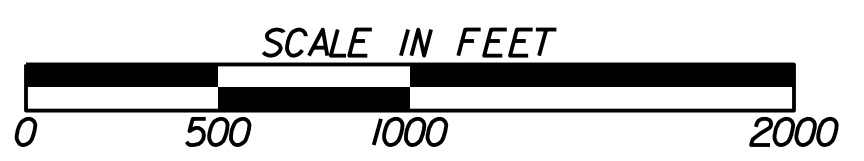
SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
 Rhandi O. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

Outfall Summary Table

Outfall	Station and Offset	Drainage Area (Acres)	Disturbed Area (Acres)	Structure	Outfall Slope (ft/ft)	Receiving Waters	C pre	C post	Q50pre (cfs)	Q50post (cfs)	Q100pre (cfs)	Q100post (cfs)	V50pre (ft/s)	V50post (ft/s)	V100pre (ft/s)	V100post (ft/s)
A	143+07.89, 81' LT	2.16	0.23	Proposed 24" Pipe	0.10	Tributary to Nickajack Creek	0.74	0.77	8.91	11.07	9.98	12.39	5.29	5.75	5.52	6.02
B	150+67.61, 309' RT	5.97	0.39	Existing 30" Pipe	0.02	Tributary to Nickajack Creek	0.66	0.68	24.69	26.96	27.66	30.19	7.13	7.41	7.50	7.81
C	156+81.82, 37' RT	18.04	1.29	Existing 36" Pipe	0.01	Tributary to Nickajack Creek	0.58	0.60	49.44	56.63	55.58	64.46	7.16	7.51	7.46	7.87
D	184+09.05, 77' LT	2.55	0.18	Proposed 24" Pipe	0.04	Tributary to Nickajack Creek	0.65	0.65	10.59	10.59	11.87	11.87	6.00	5.65	6.72	5.91
E	204+11.13, 58' RT	7.85	0.73	Existing 24" Pipe	0.03	Tributary to Nickajack Creek	0.68	0.68	30.72	30.72	34.80	34.80	9.78	10.04	11.08	11.23



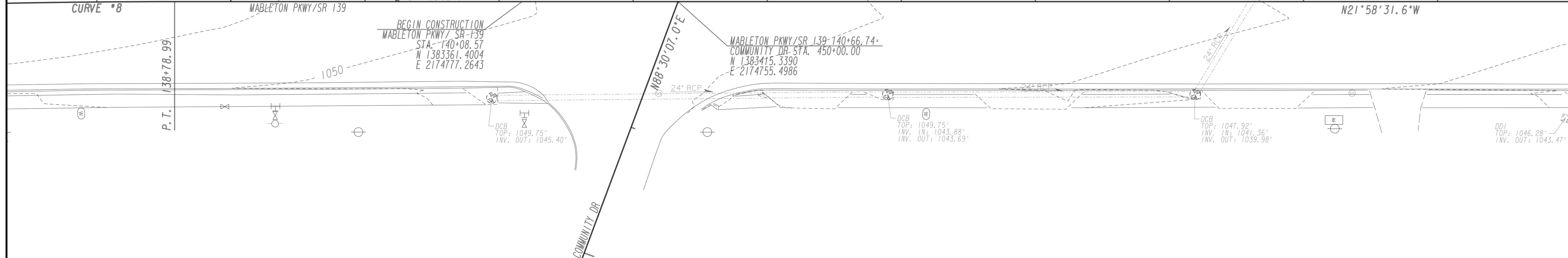
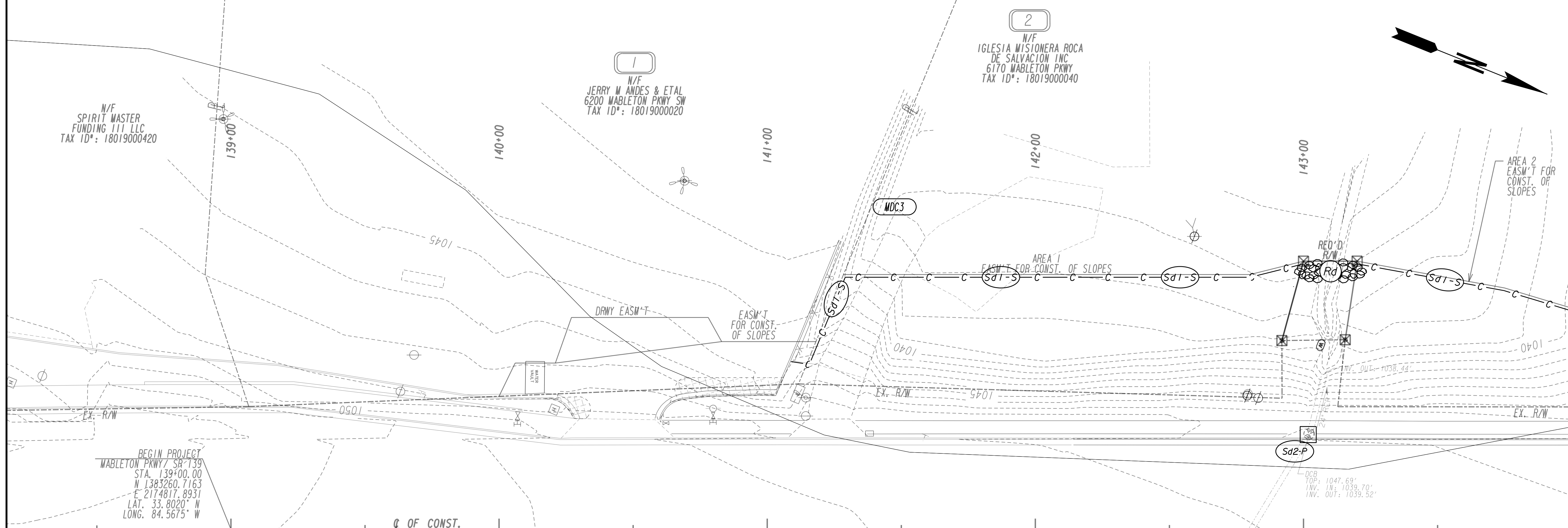
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



REVISION DATES


**EROSION CONTROL DRAINAGE AREA MAP**  
 MABLETON PKWY TRAIL, PHASE III

CHECKED:	DATE:	DRAWING No. <b>53-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



**Curve # 8**

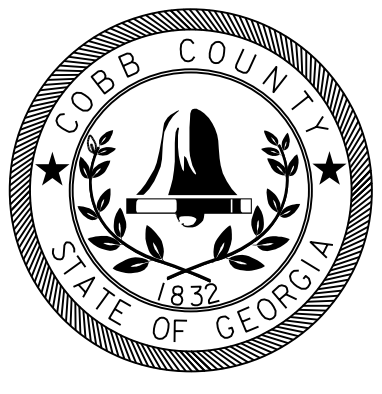
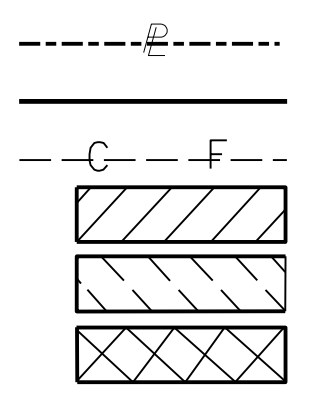
PI Sta= 135+07.83
N= 1382893.7910
E= 2174965.9576
DELTA= 13°33'56.8" (RT)
D= 01°49'08.09"
T= 374.66
L= 745.82
R= 3150.00
e= 22.20
e= MATCH EXISTING



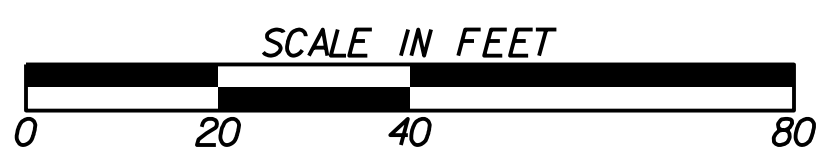
5/05/2023

SUBMITTED BY: Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

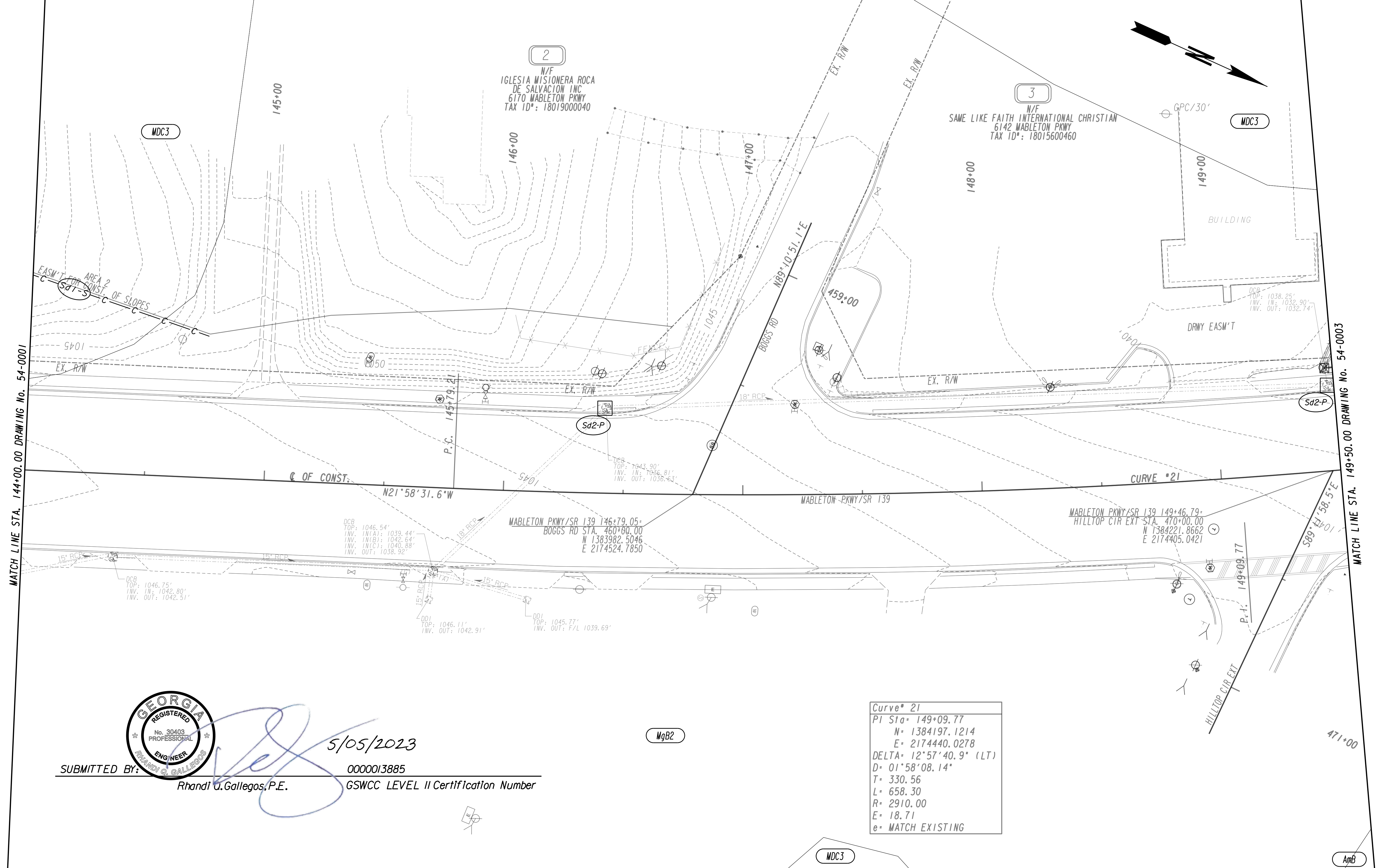


REVISION DATES	

**BMP LOCATION DETAILS**  
**STAGE 1A**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>54-0001</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	





MATCH LINE STA. 144+00.00 DRAWING No. 54-0001

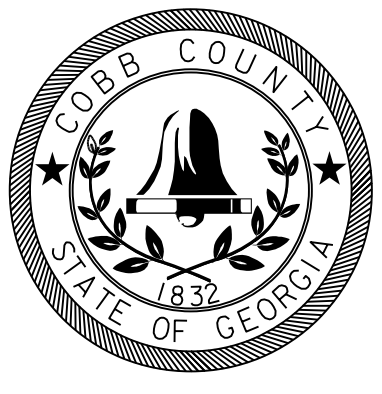
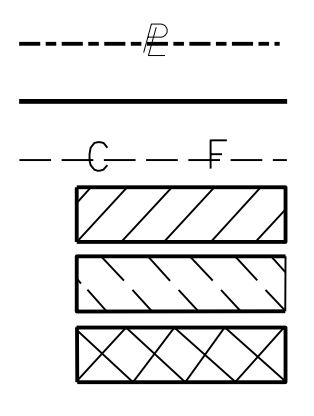
MATCH LINE STA. 149+50.00 DRAWING No. 54-0003



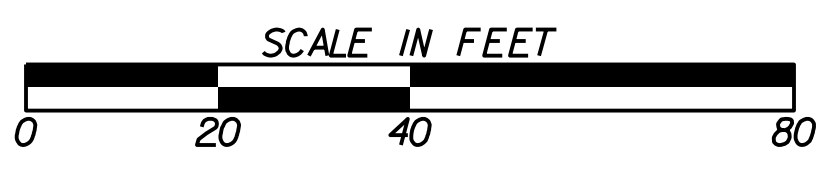
SUBMITTED BY: *Rhandi U. Gallegos* 5/05/2023  
 Rhandi U. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

Curve* 21	
PI Sta=	149+09.77
N=	1384197.1214
E=	2174440.0278
DELTA=	12°57'40.9" (LT)
D=	01°58'08.14"
T=	330.56
L=	658.30
R=	2910.00
E=	18.71
e=	MATCH EXISTING

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

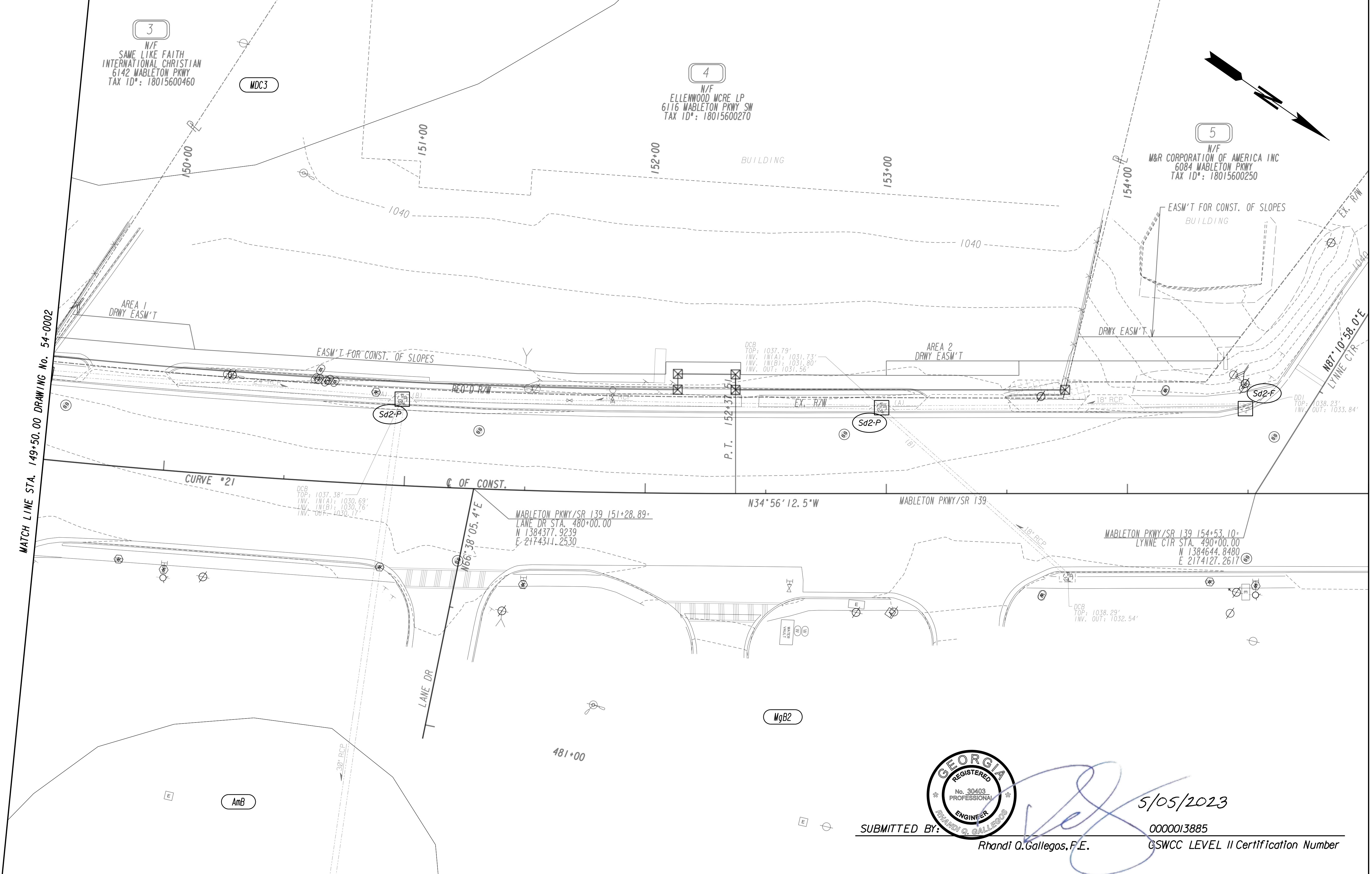


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 1A			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0002



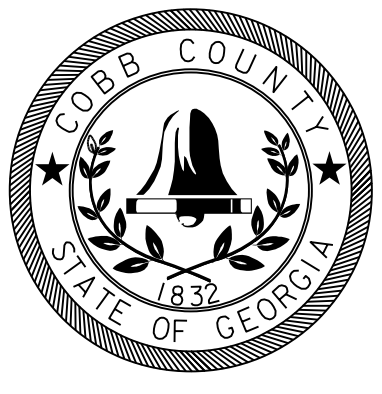
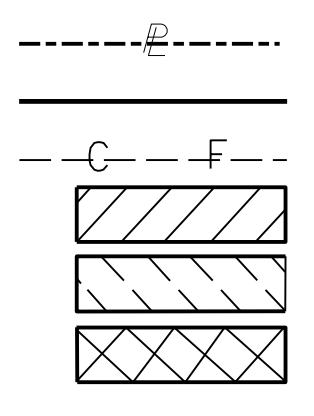
MATCH LINE STA. 149+50.00 DRAWING No. 54-0002

MATCH LINE STA. 155+00.00 DRAWING No. 54-0004

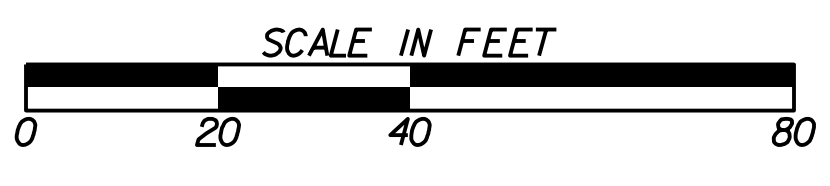


SUBMITTED BY: Rhandi O. Gallegos, F.E. 5/05/2023  
 0000013885 GSWCC LEVEL II Certification Number

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



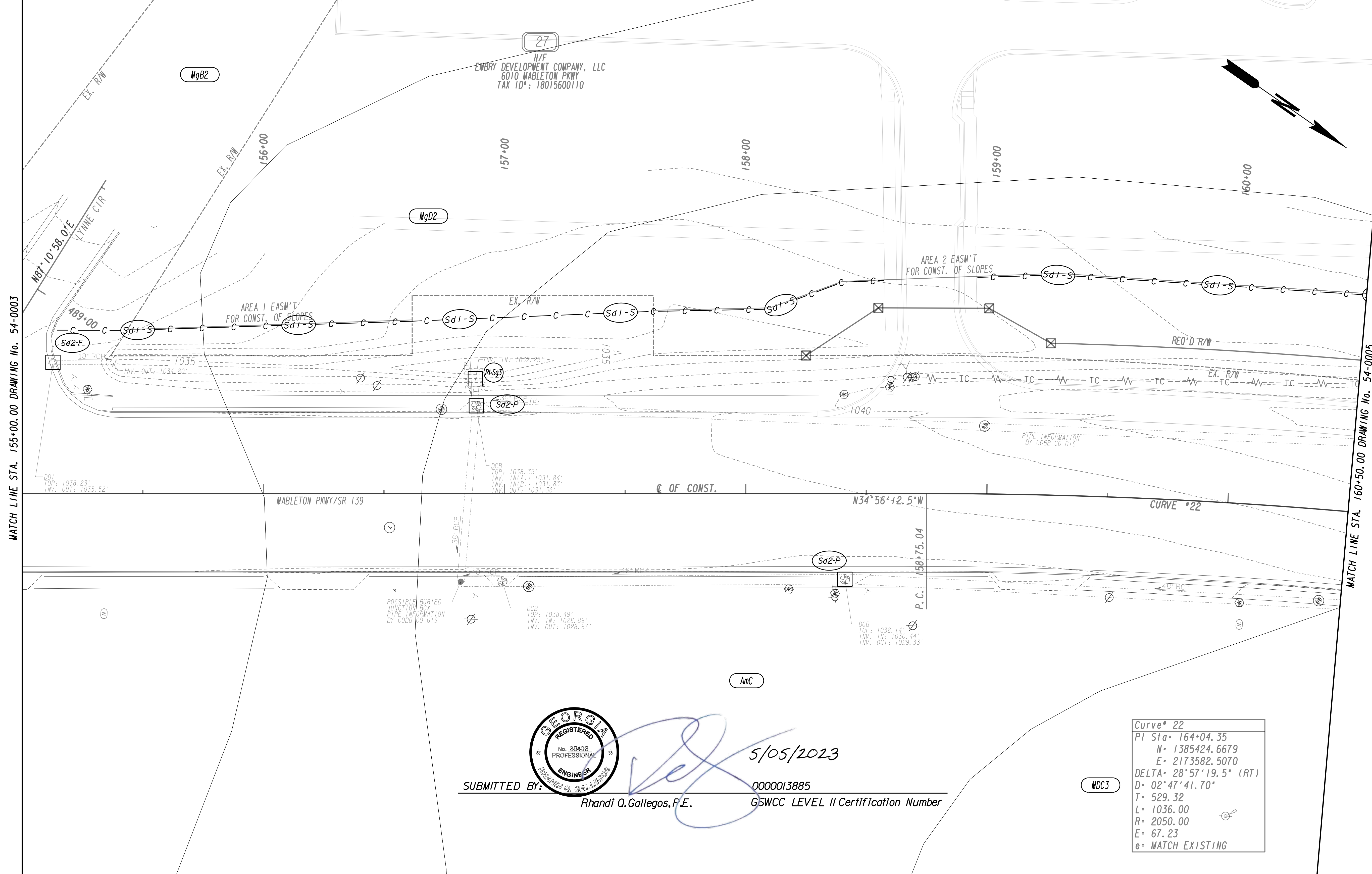
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

**BMP LOCATION DETAILS  
 STAGE 1A  
 MABLETON PKWY TRAIL, PHASE 11**

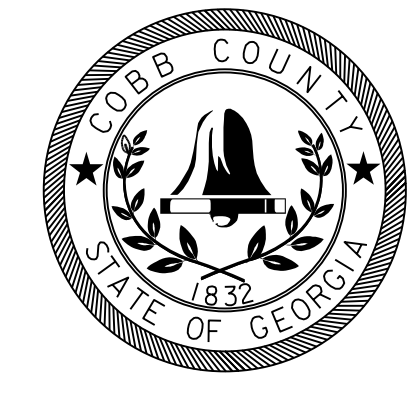
CHECKED:	DATE:	DRAWING No. <b>54-0003</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
Rhandi O. Gallegos, F.E. 0000013885  
GSWCC LEVEL II Certification Number

Curve# 22	
PI Sta=	164+04.35
N=	1385424.6679
E=	2173582.5070
DELTA=	28°57'19.5" (RT)
D=	02°47'41.70"
T=	529.32
L=	1036.00
R=	2050.00
E=	67.23
e=	MATCH EXISTING

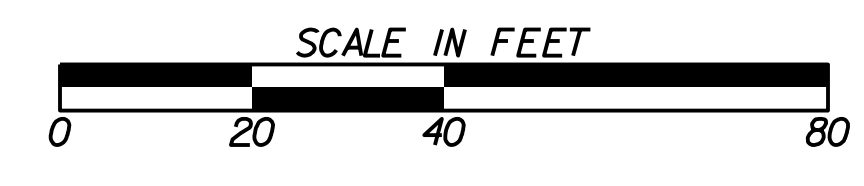
PROPERTY AND EXISTING R/W LINE  
REQUIRED R/W LINE  
CONSTRUCTION LIMITS  
EASEMENT FOR CONSTR  
& MAINTENANCE OF SLOPES  
EASEMENT FOR CONST. OF SLOPES  
EASEMENT FOR CONST. OF DRIVES



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

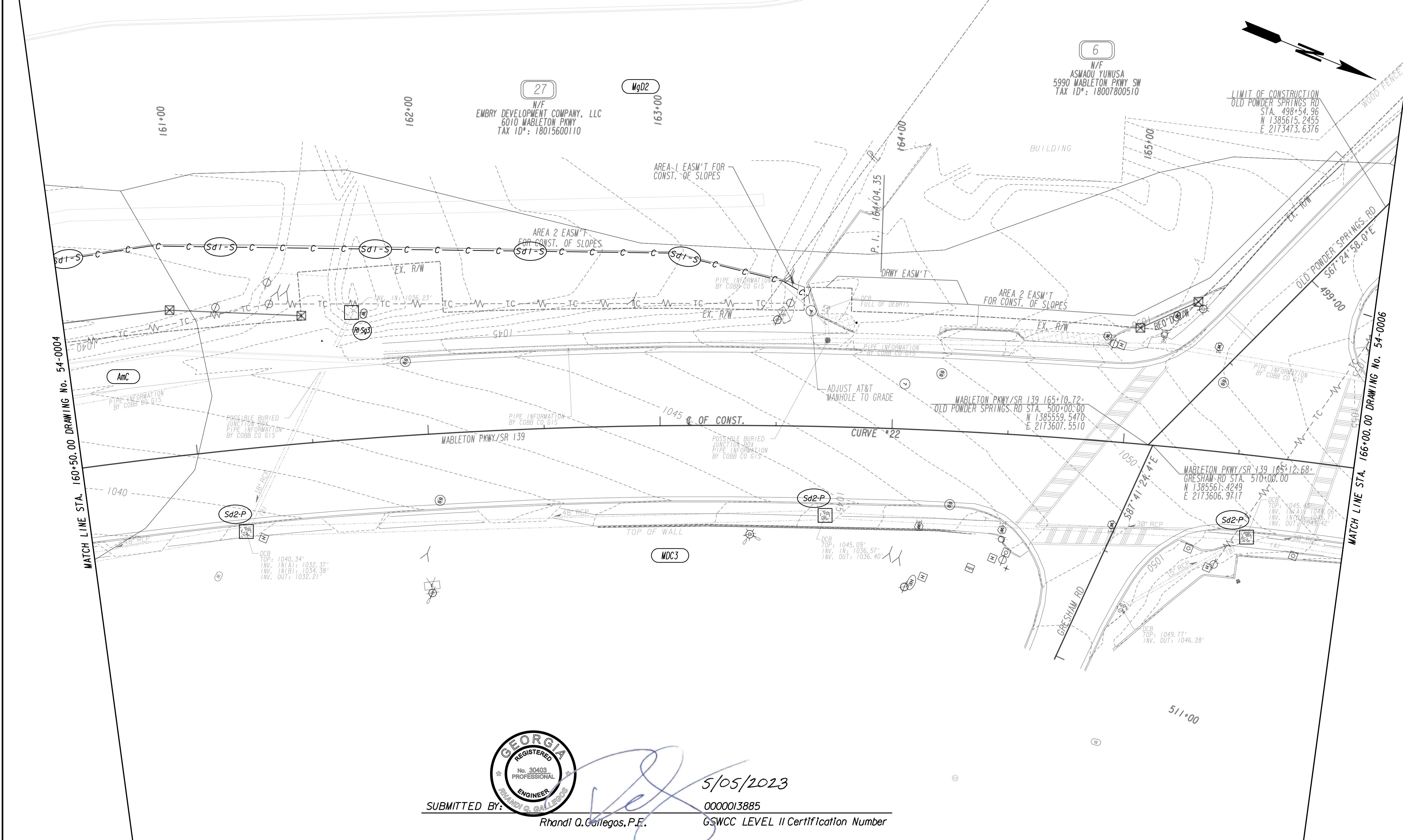
560 Acworth Landing Drive  
Acworth, GA 30011  
(770) 421-9422

2500 Nelson Miller Parkway  
Louisville, KY 40223  
(502) 345-3813



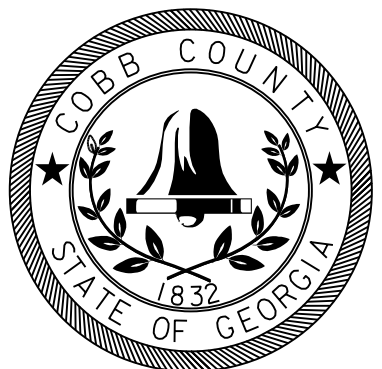
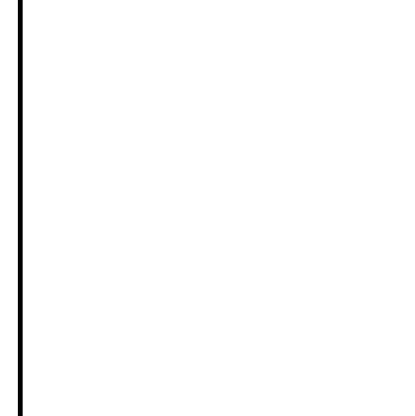
REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 11		
CHECKED:	DATE:	DRAWING No. <b>54-0004</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

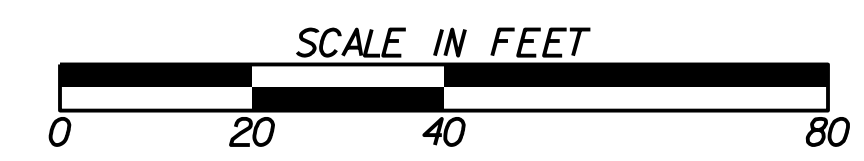


  
 SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

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

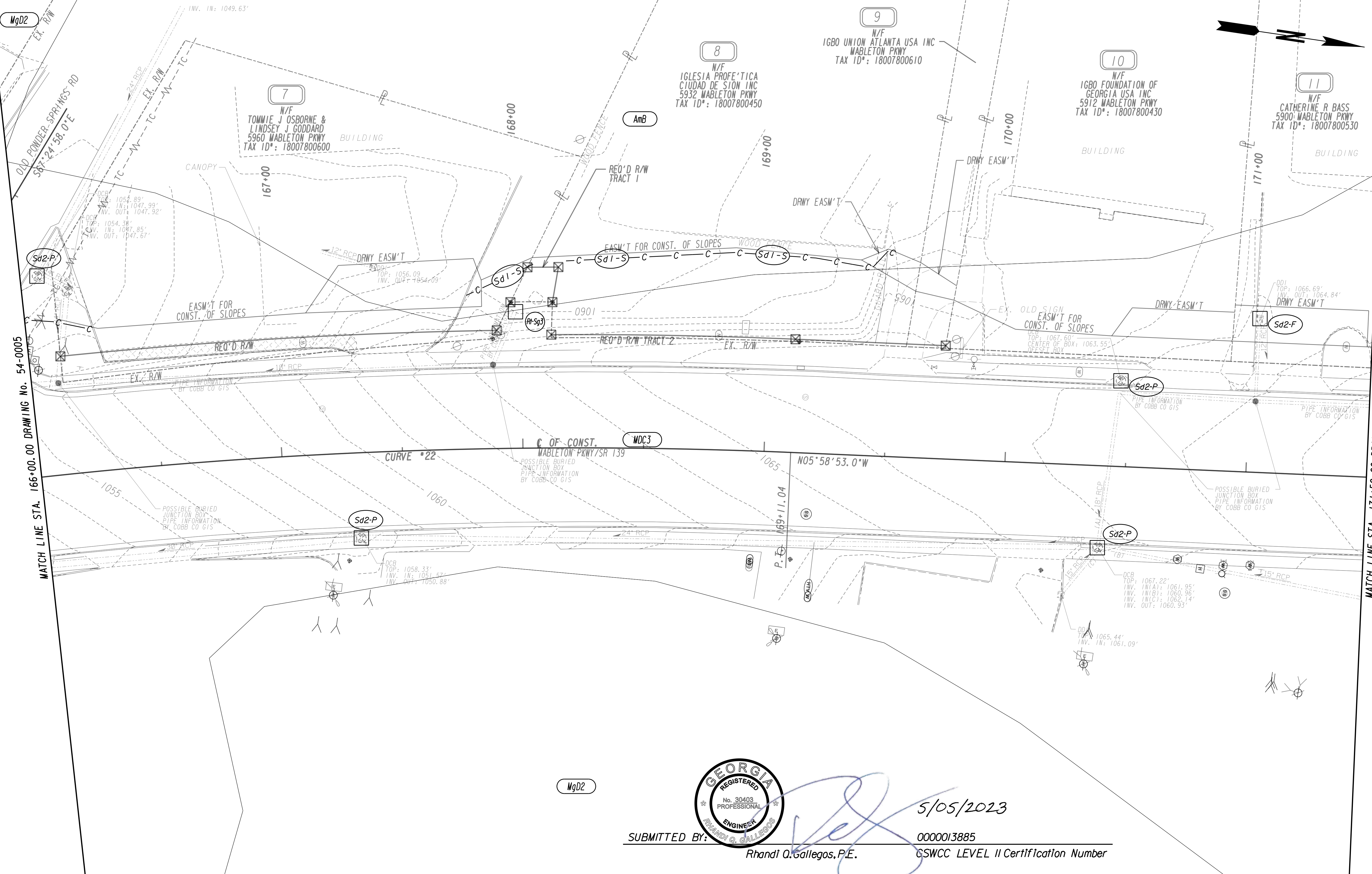


PLANS PREPARED AND SUBMITTED BY: *AEI*  
 65 Aberdeen Drive, Glasgow, KY 42044  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 AMERICAN ENGINEERS, INC. PROFESSIONAL ENGINEERING  
 DESIGN CONSULTANT




REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 1A		
CHECKED:	DATE:	DRAWING No. <b>54-0005</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	




MATCH LINE STA. 166+00.00 DRAWING No. 54-0005

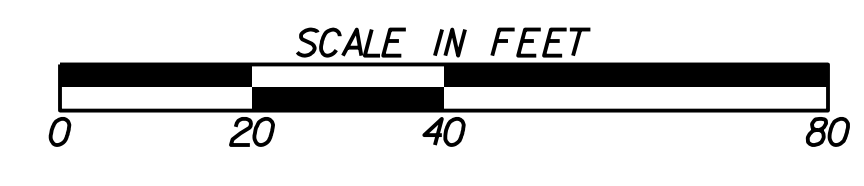
MATCH LINE STA. 171+50.00 DRAWING No. 54-0007

  
 SUBMITTED BY: Rhandi O. Gallegos, P.E. 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

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

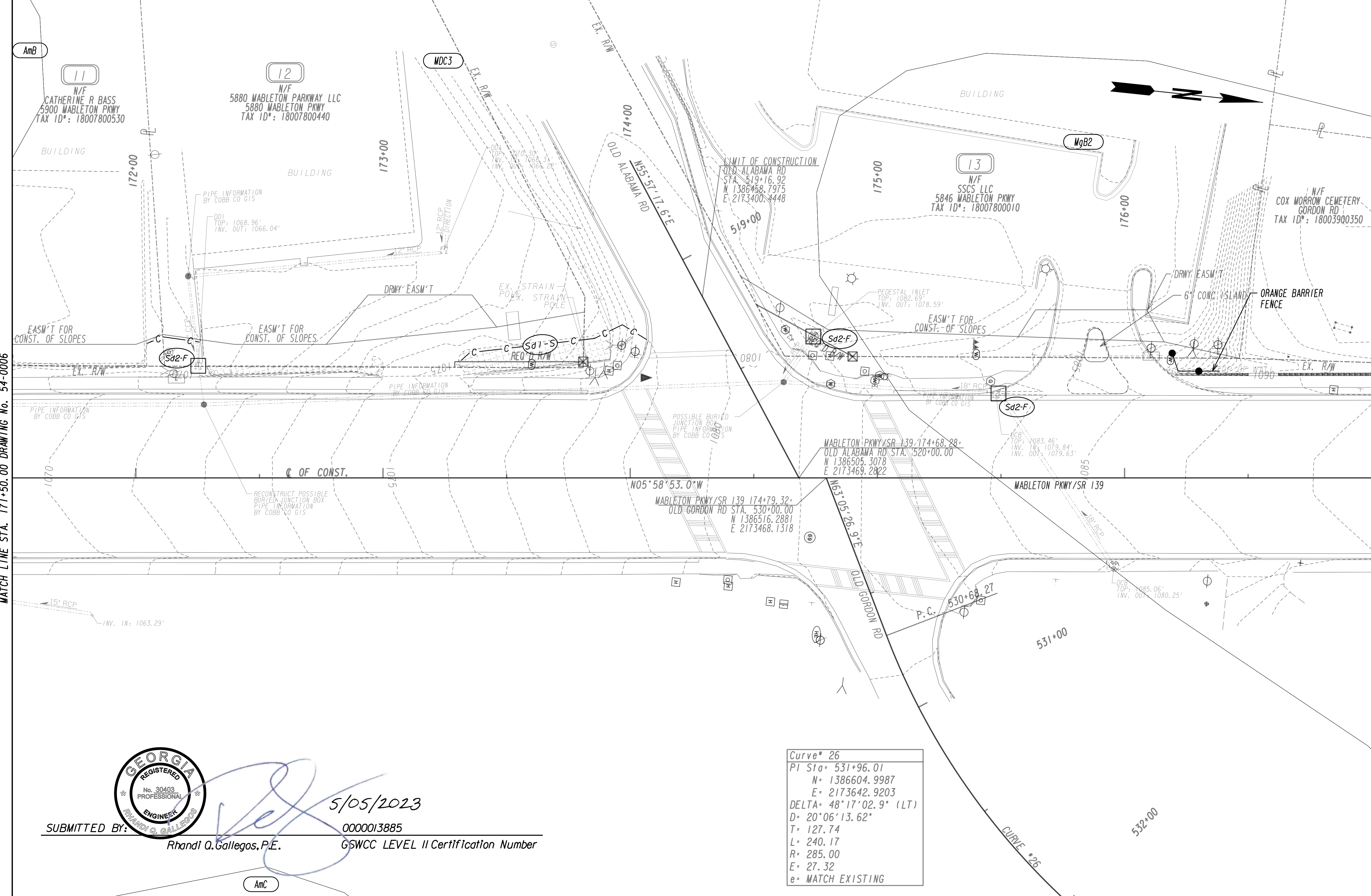


PLANS PREPARED AND SUBMITTED BY:  
 American Engineers, Inc.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 11		
CHECKED:	DATE:	DRAWING No. <b>54-0006</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 171+50.00 DRAWING No. 54-0006

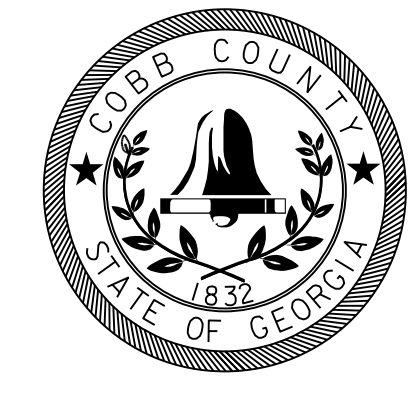
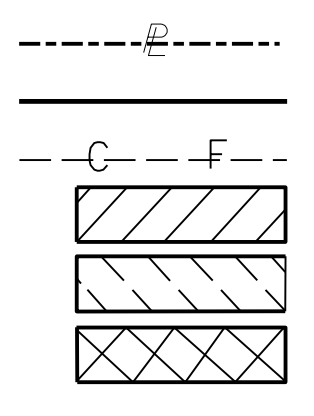
MATCH LINE STA. 177+00.00 DRAWING No. 54-0008



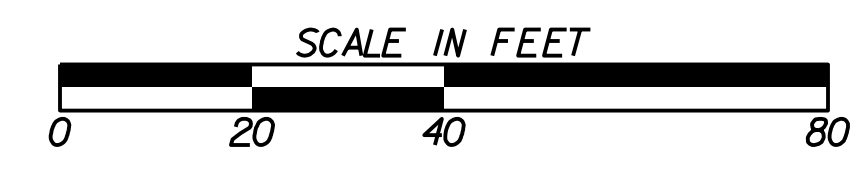
5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve\* 26  
 PI Sta\* 531+96.01  
 N= 1386604.9987  
 E= 2173642.9203  
 DELTA= 48°17'02.9" (LT)  
 D= 20°06'13.62"  
 T= 127.74  
 L= 240.17  
 R= 285.00  
 E= 27.32  
 e= MATCH EXISTING

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

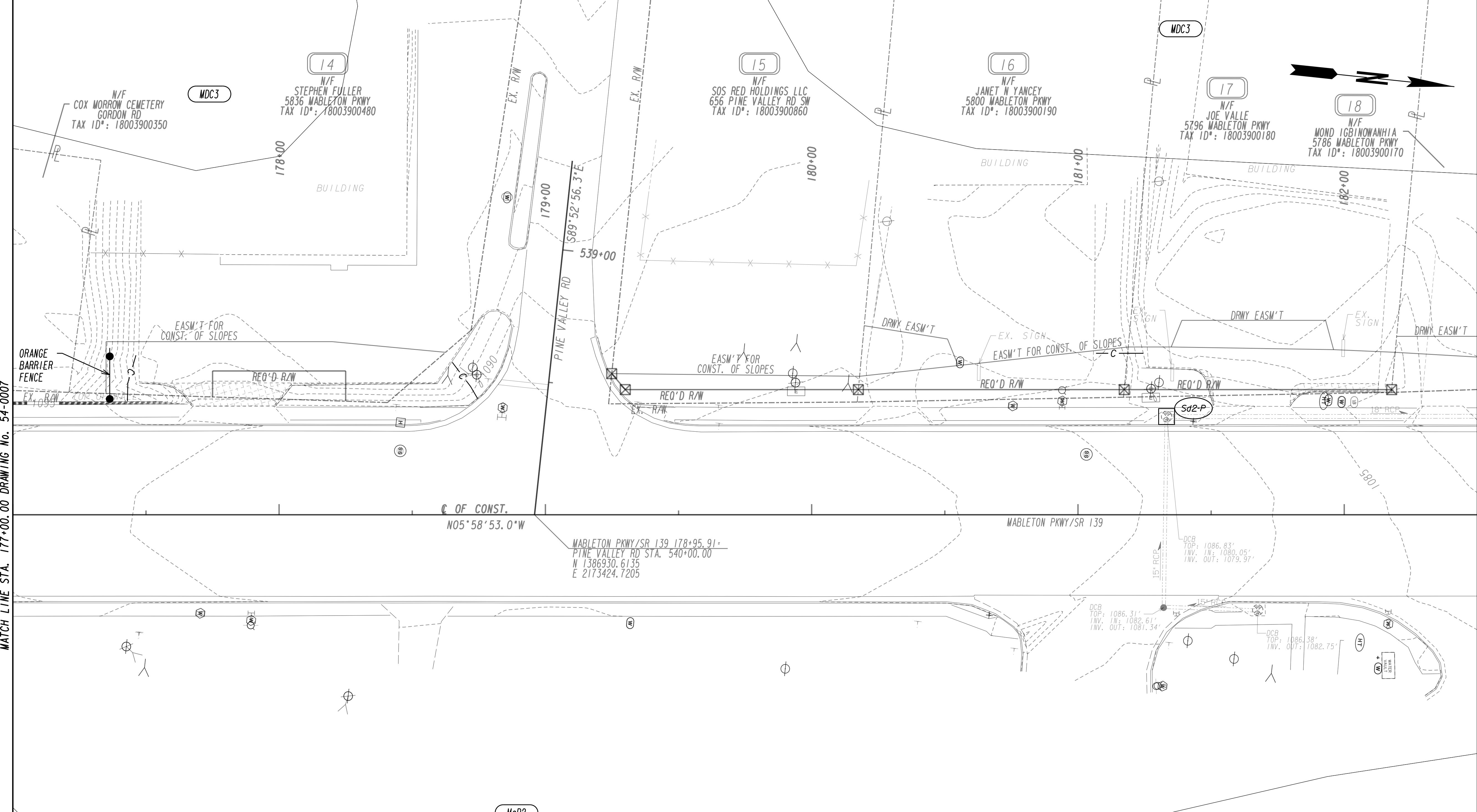


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 1A		
CHECKED:	DATE:	DRAWING No. <b>54-0007</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



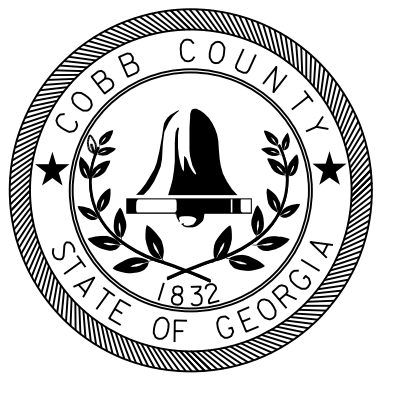
MATCH LINE STA. 177+00.00 DRAWING No. 54-0007

MATCH LINE STA. 182+50.00 DRAWING No. 54-0009

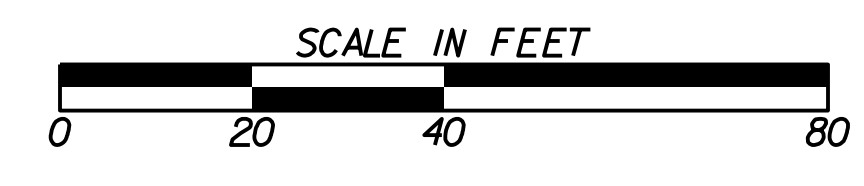


*Rhandi Q. Gallegos*  
 5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

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



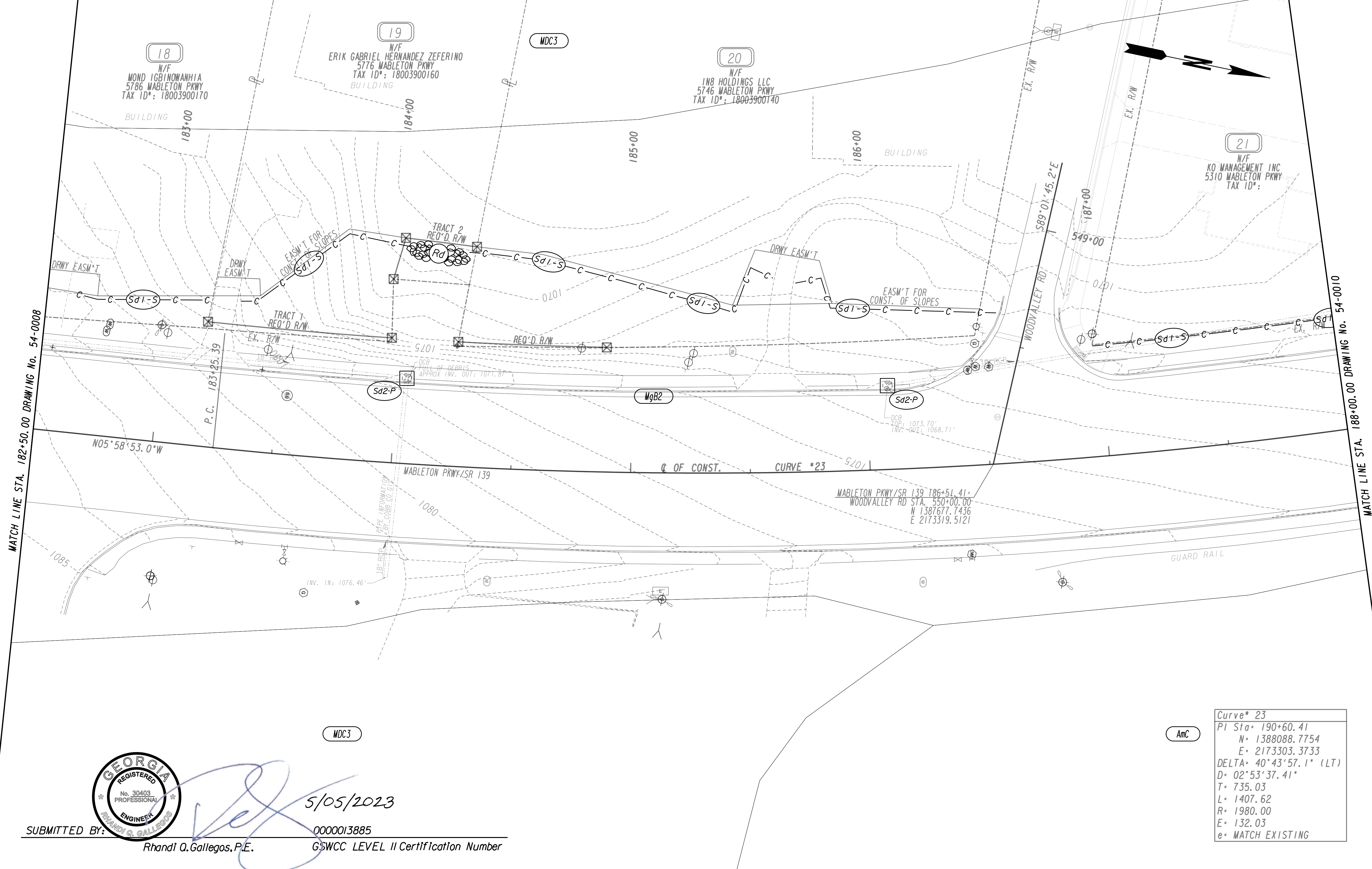
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

**BMP LOCATION DETAILS  
 STAGE 1A  
 MABLETON PKWY TRAIL, PHASE 1A**

CHECKED:	DATE:	DRAWING No. <b>54-0008</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 182+50.00 DRAWING No. 54-0008

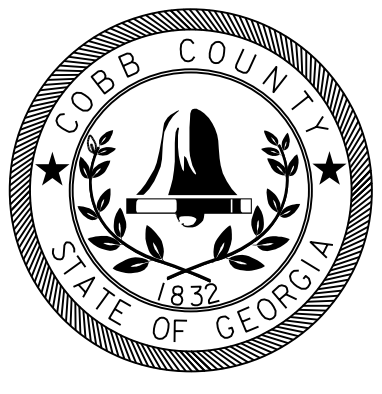
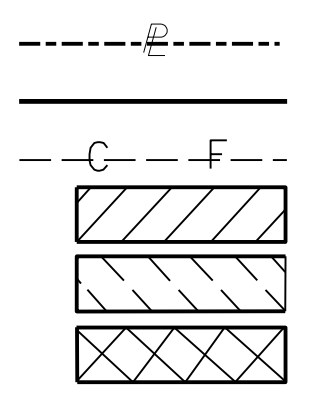
MATCH LINE STA. 188+00.00 DRAWING No. 54-0010



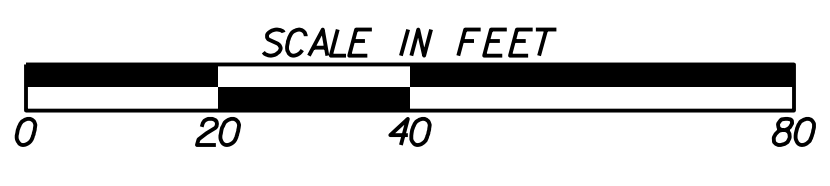
*Rhandi Q. Gallegos*  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve* 23	
PI Sta=	190+60.41
N=	1388088.7754
E=	2173303.3733
DELTA=	40°43'57.1" (LT)
D=	02°53'37.41"
T=	735.03
L=	1407.62
R=	1980.00
E=	132.03
e=	MATCH EXISTING

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



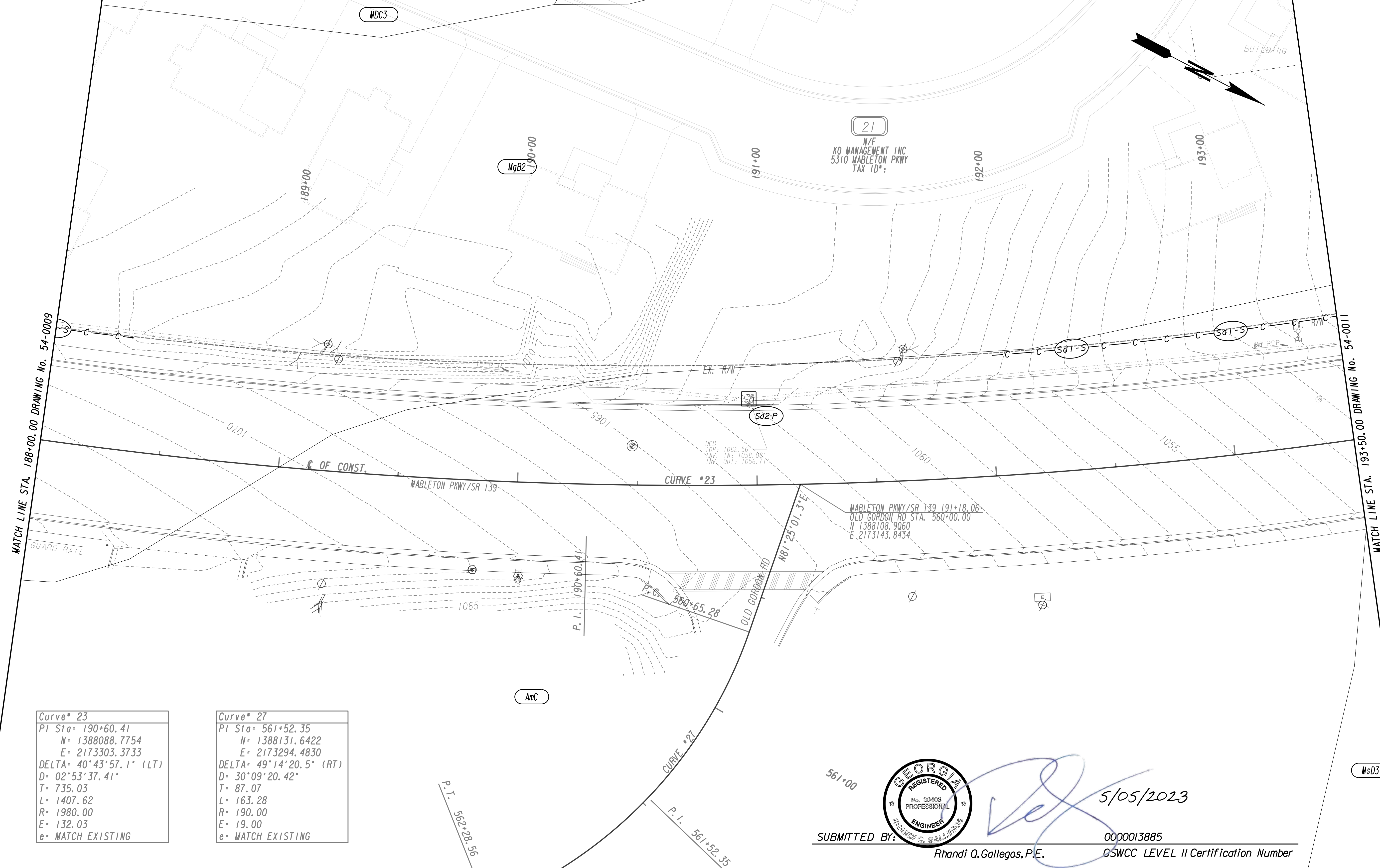
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 1I		
CHECKED:	DATE:	DRAWING No. <b>54-0009</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



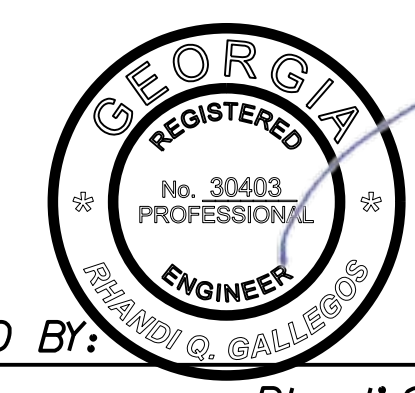


Curve\* 23

PI Sta	190+60.41
N	1388088.7754
E	2173303.3733
DELTA	40°43'57.1" (LT)
D	02°53'37.41"
T	735.03
L	1407.62
R	1980.00
E	132.03
e	MATCH EXISTING

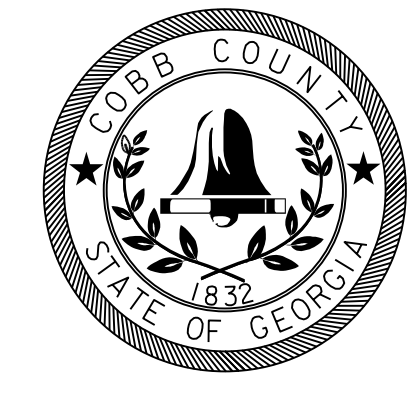
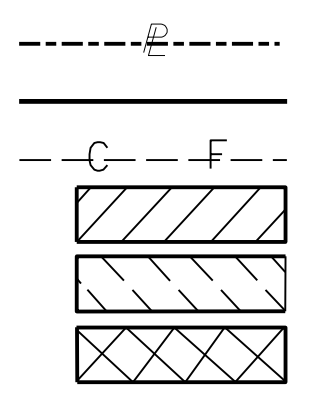
Curve\* 27

PI Sta	561+52.35
N	1388131.6422
E	2173294.4830
DELTA	49°14'20.5" (RT)
D	30°09'20.42"
T	87.07
L	163.28
R	190.00
E	19.00
e	MATCH EXISTING

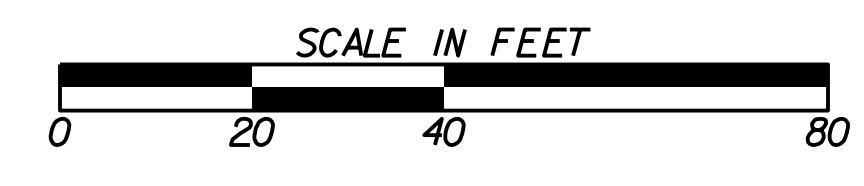


SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 Rhandi Q. Gallegos, P.E. 000013885  
 OSWCC LEVEL II Certification Number

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

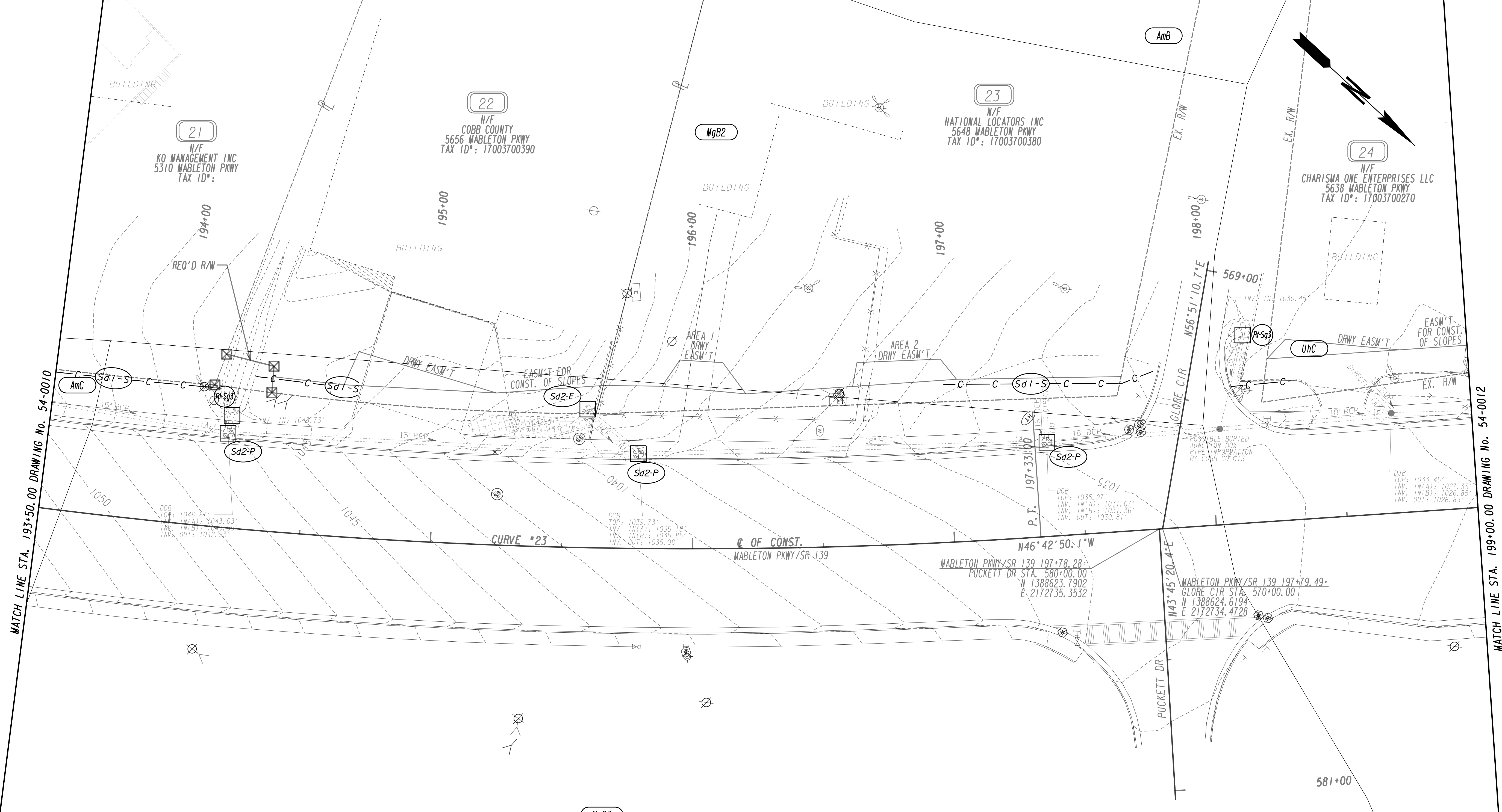


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0010	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



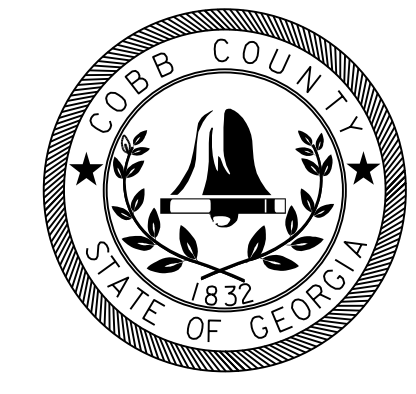
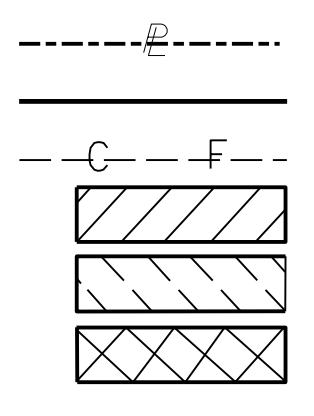
MATCH LINE STA. 193+50.00 DRAWING No. 54-0010

MATCH LINE STA. 199+00.00 DRAWING No. 54-0012

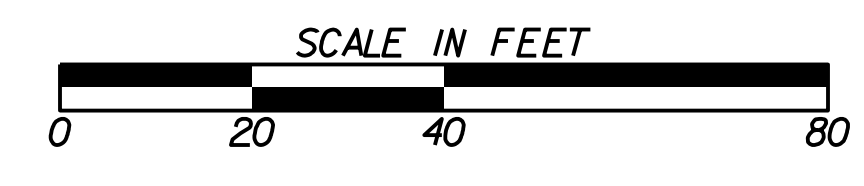


*Rhandi Q. Gallegos*  
 SUBMITTED BY: Rhandi Q. Gallegos, F.E.  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

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

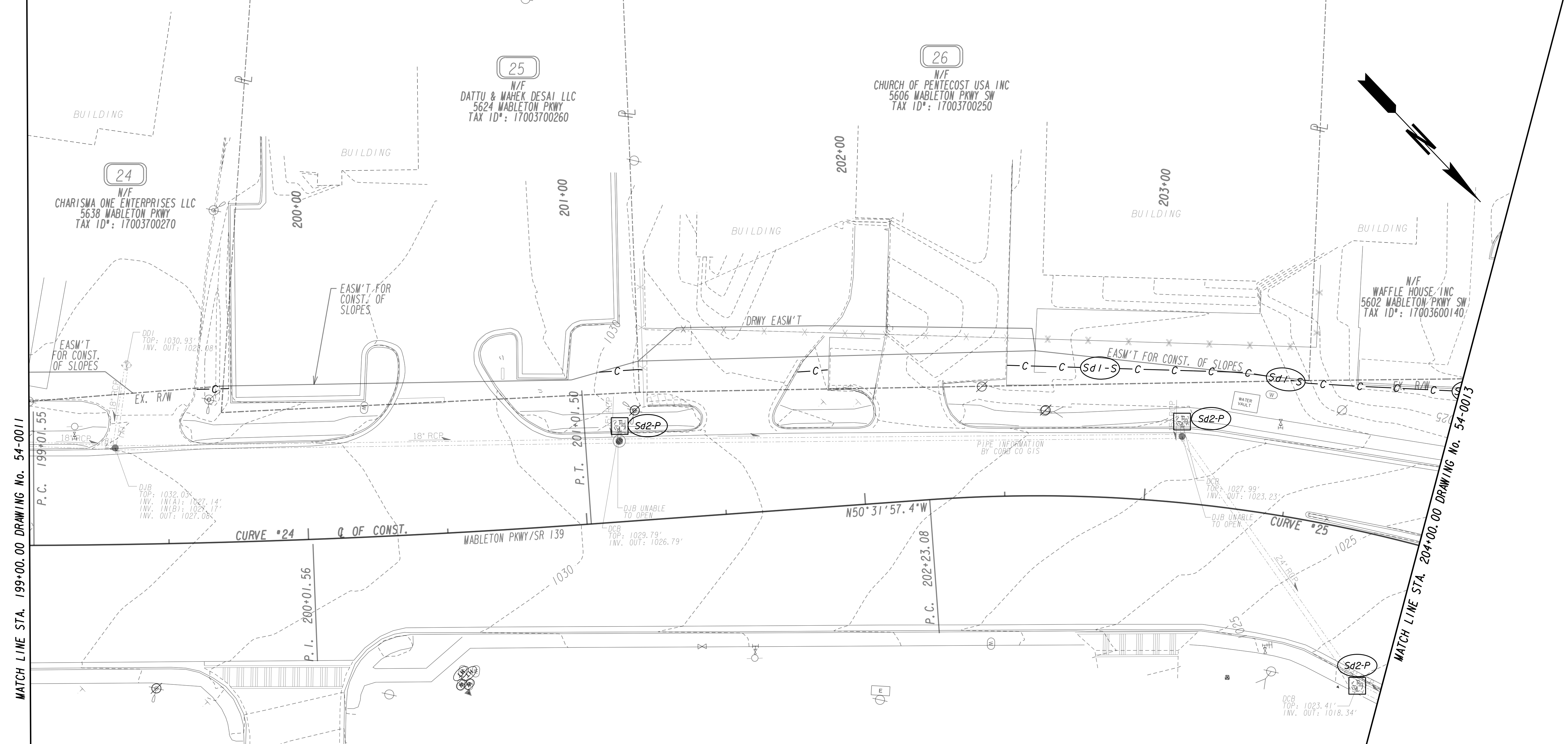


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0011	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



MATCH LINE STA. 199+00.00 DRAWING No. 54-0011

MATCH LINE STA. 204+00.00 DRAWING No. 54-0013

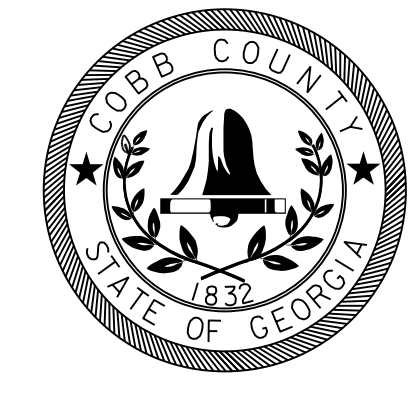
Curve # 24	
PI Sta	200+01.56
N	1388776.8781
E	2172572.8212
DELTA	03°49'07.3" (LT)
D	01°54'35.49"
T	100.01
L	199.95
R	3000.00
E	1.67
e	MATCH EXISTING

Curve # 25	
PI Sta	204+28.12
N	1389048.0607
E	2172243.4686
DELTA	41°52'02.4" (RT)
D	10°41'22.24"
T	205.04
L	391.67
R	536.00
E	37.88
e	MATCH EXISTING

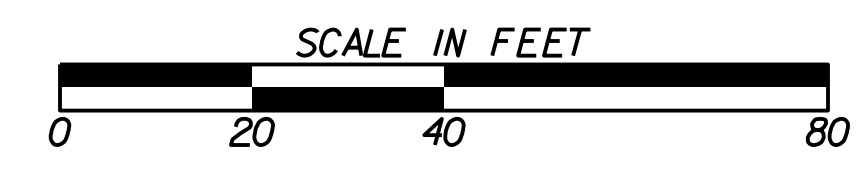


SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

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

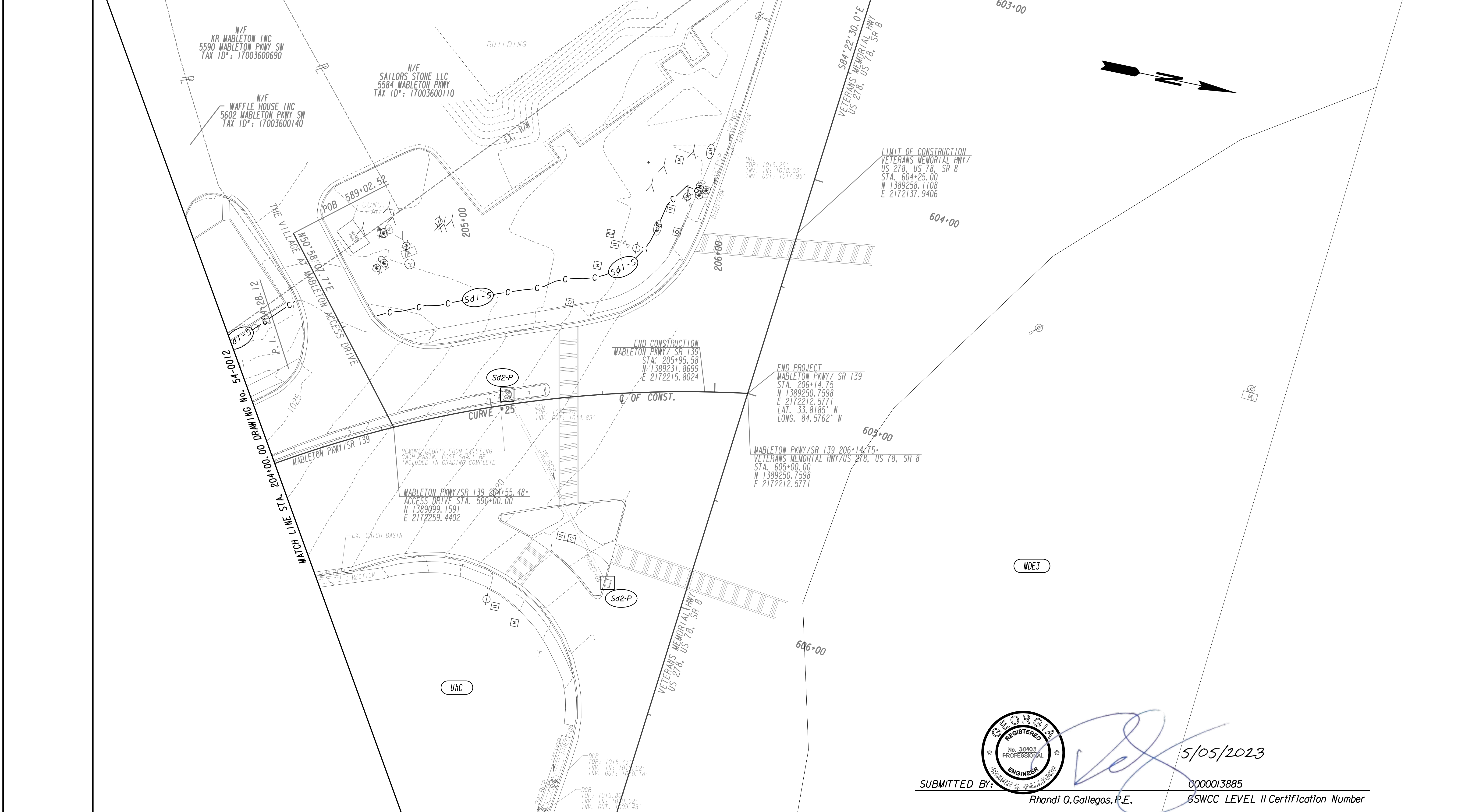


PLANS PREPARED AND SUBMITTED BY: *Rhandi Q. Gallegos*  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



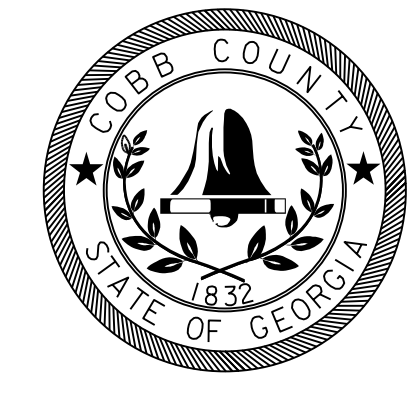
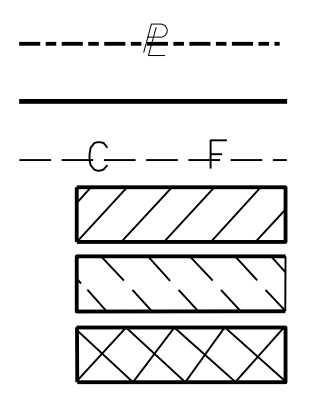
REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0012	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

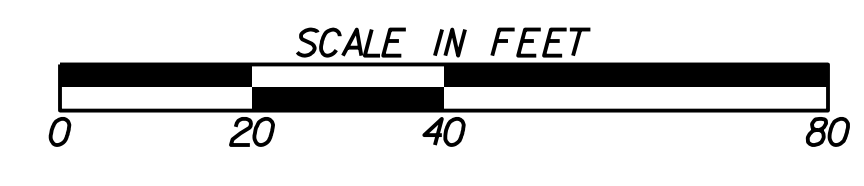


5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

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

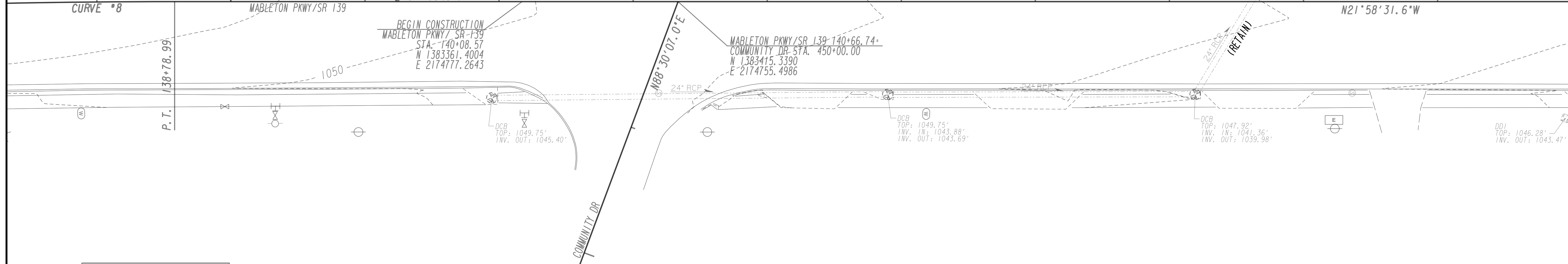
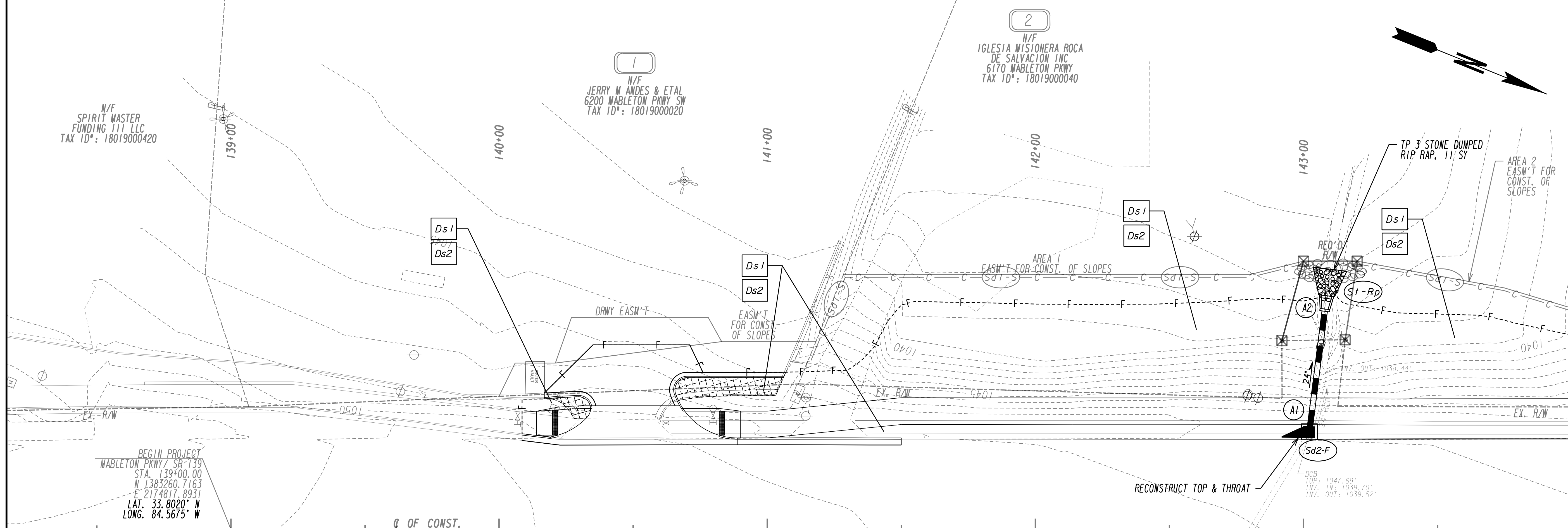


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 1A MABLETON PKWY TRAIL, PHASE 1A		
CHECKED:	DATE:	DRAWING No. <b>54-0013</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



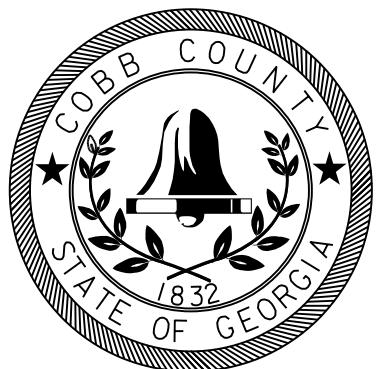
Curve # 8

PI Sta	135+07.83
N	1382893.7910
E	2174965.9576
DELTA	13°33'56.8" (RT)
D	01°49'08.09"
T	374.66
L	745.82
R	3150.00
e	22.20
e	MATCH EXISTING

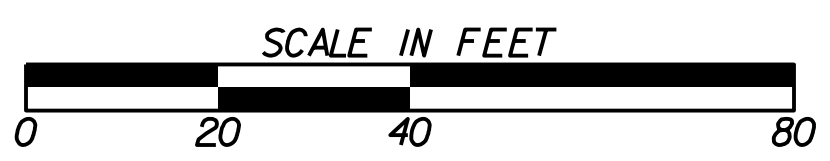


SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

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

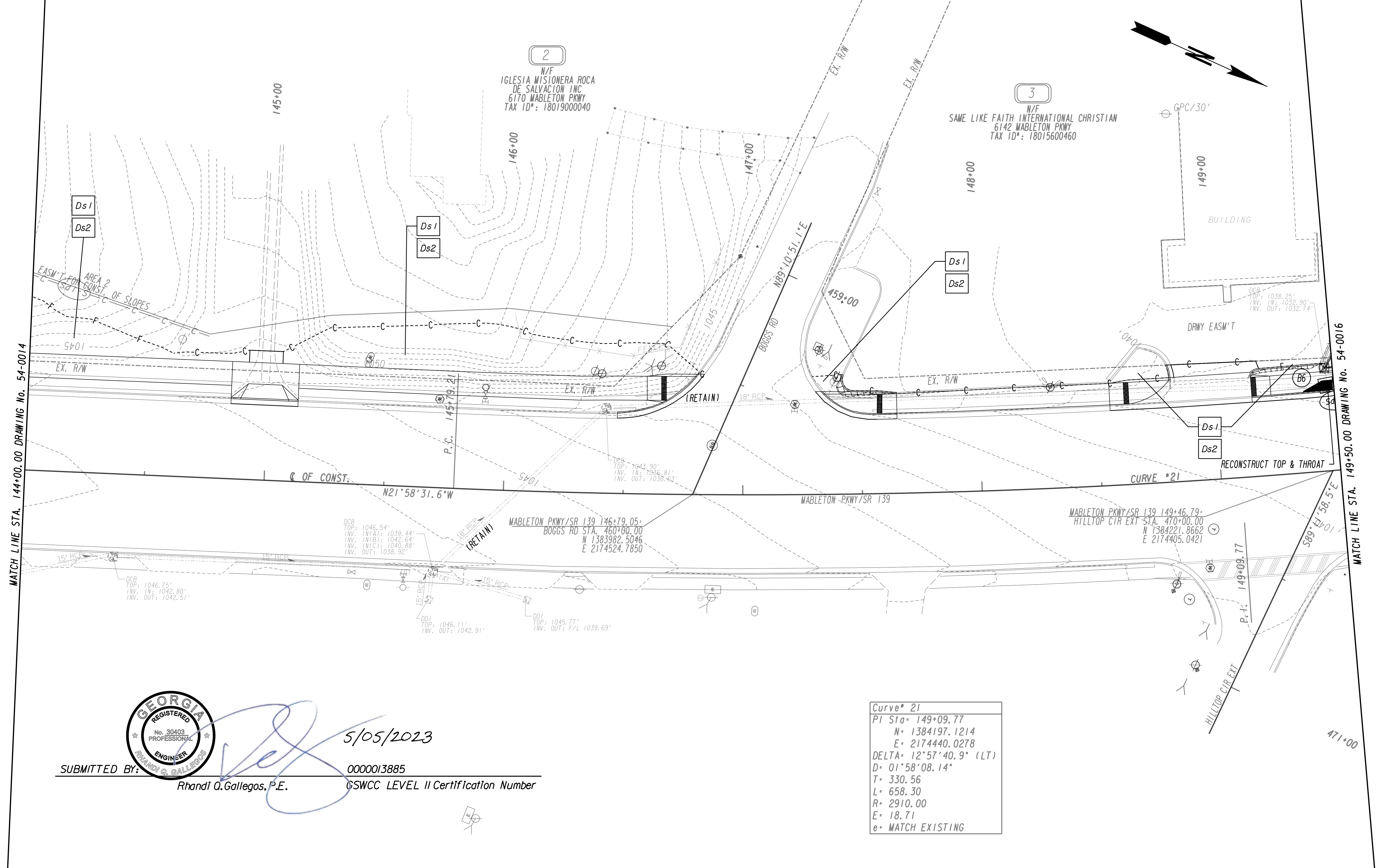


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



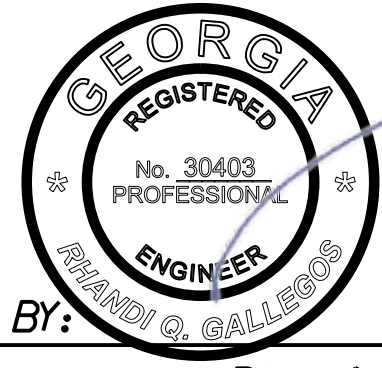
REVISION DATES	

BMP LOCATION DETAILS		
STAGE I		
MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	54-0014
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 144+00.00 DRAWING No. 54-0014

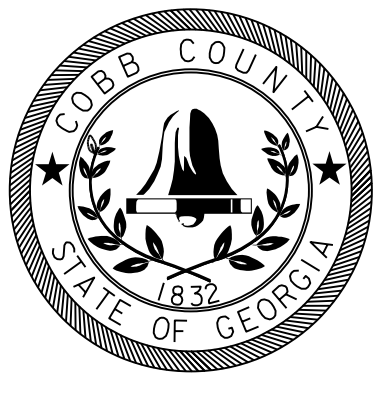
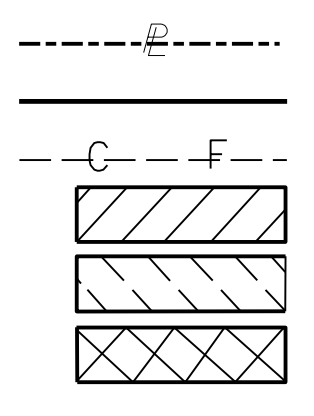
MATCH LINE STA. 149+50.00 DRAWING No. 54-0016



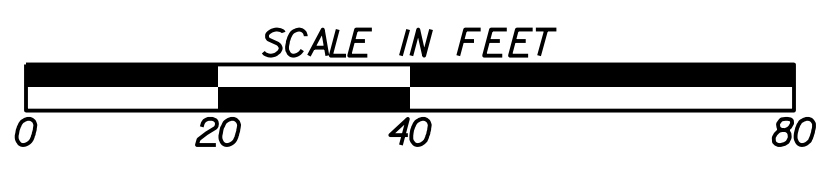
5/05/2023  
 SUBMITTED BY: Rhandi O. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve* 21	
PI Sta=	149+09.77
N=	1384197.1214
E=	2174440.0278
DELTA=	12°57'40.9" (LT)
D=	01°58'08.14"
T=	330.56
L=	658.30
R=	2910.00
E=	18.71
e=	MATCH EXISTING

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

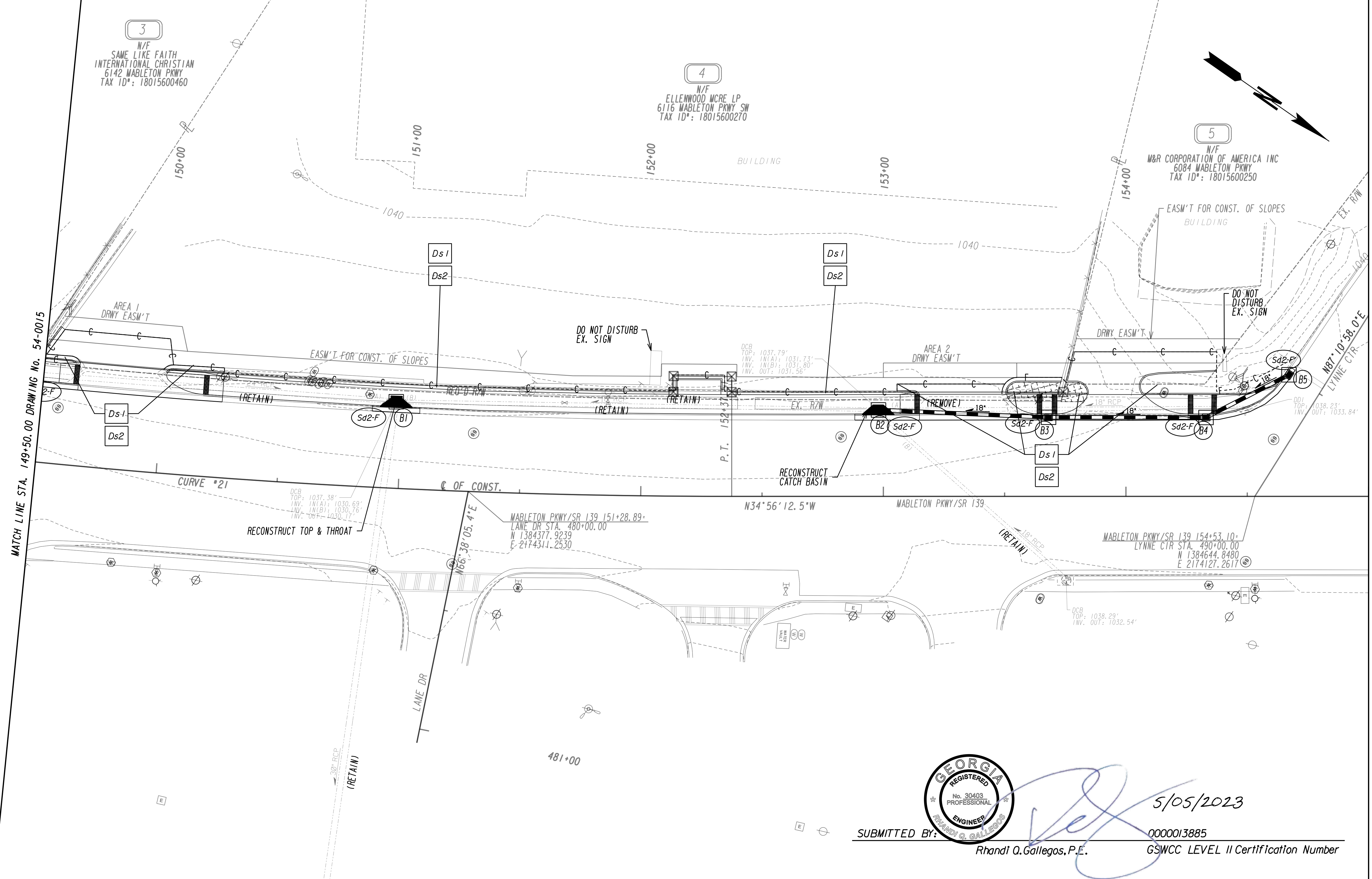


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE 1 I		
CHECKED:	DATE:	DRAWING No. <b>54-0015</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



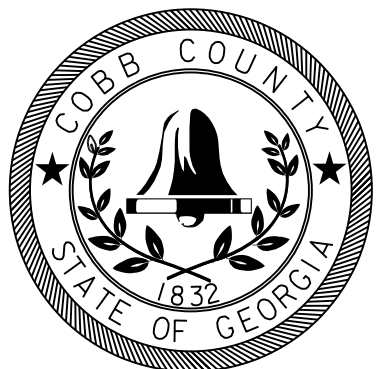
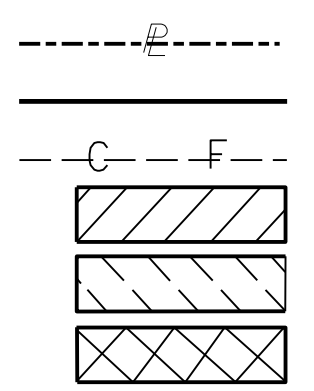
MATCH LINE STA. 149+50.00 DRAWING No. 54-0015

MATCH LINE STA. 155+00.00 DRAWING No. 54-0017

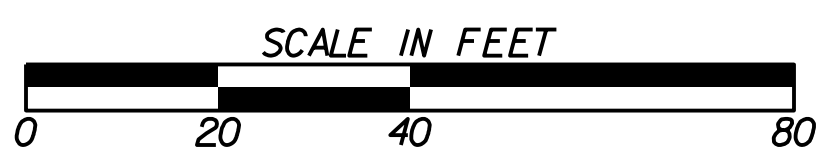


SUBMITTED BY: Rhandi Q. Gallegos, P.E. 5/05/2023  
 0000013885 GSWCC LEVEL II Certification Number

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

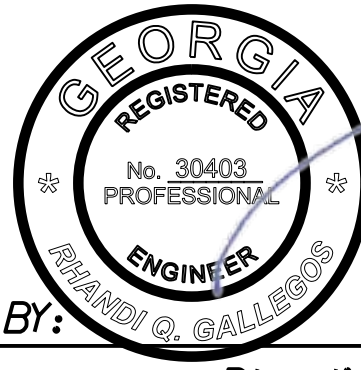
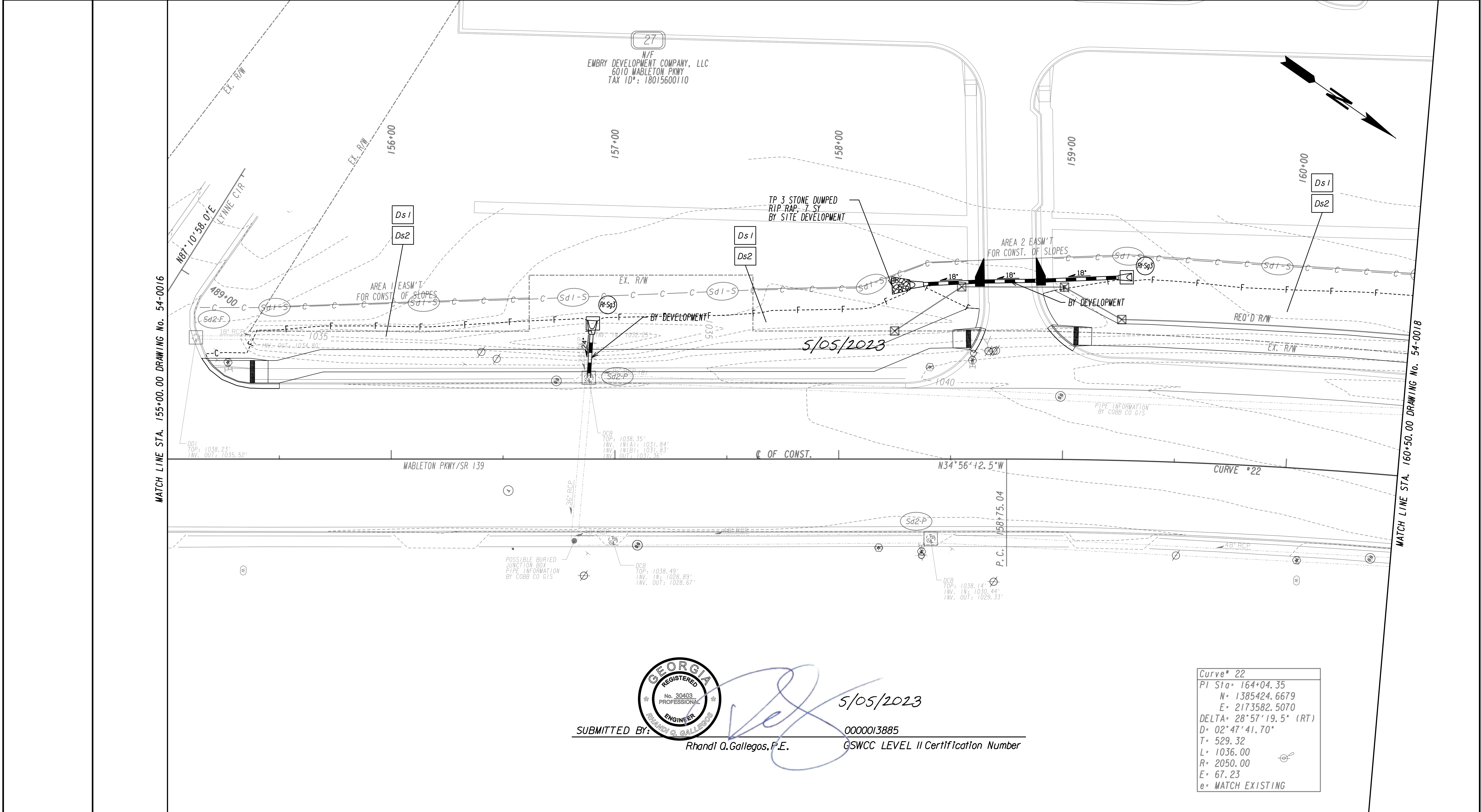


REVISION DATES	

**BMP LOCATION DETAILS  
 STAGE I  
 MABLETON PKWY TRAIL, PHASE I I**

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

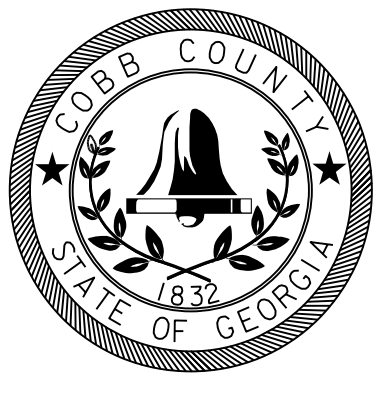
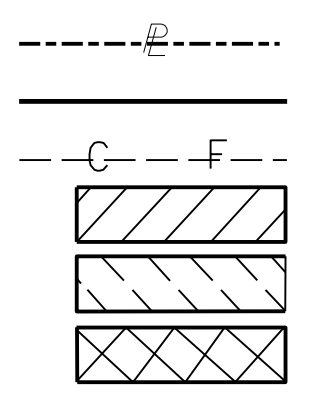
DRAWING No.  
**54-0016**



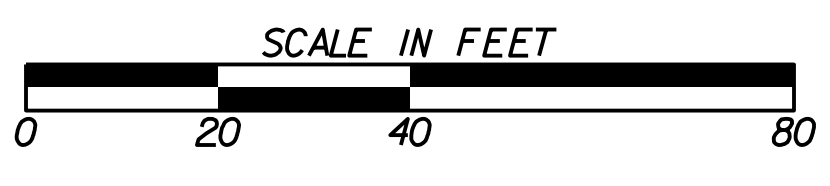
SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
 Rhandi O. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

Curve # 22	
PI Sta	= 164+04.35
N	= 1385424.6679
E	= 2173582.5070
DELTA	= 28°57'19.5" (RT)
D	= 02°47'41.70"
T	= 529.32
L	= 1036.00
R	= 2050.00
E	= 67.23
e	= MATCH EXISTING

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



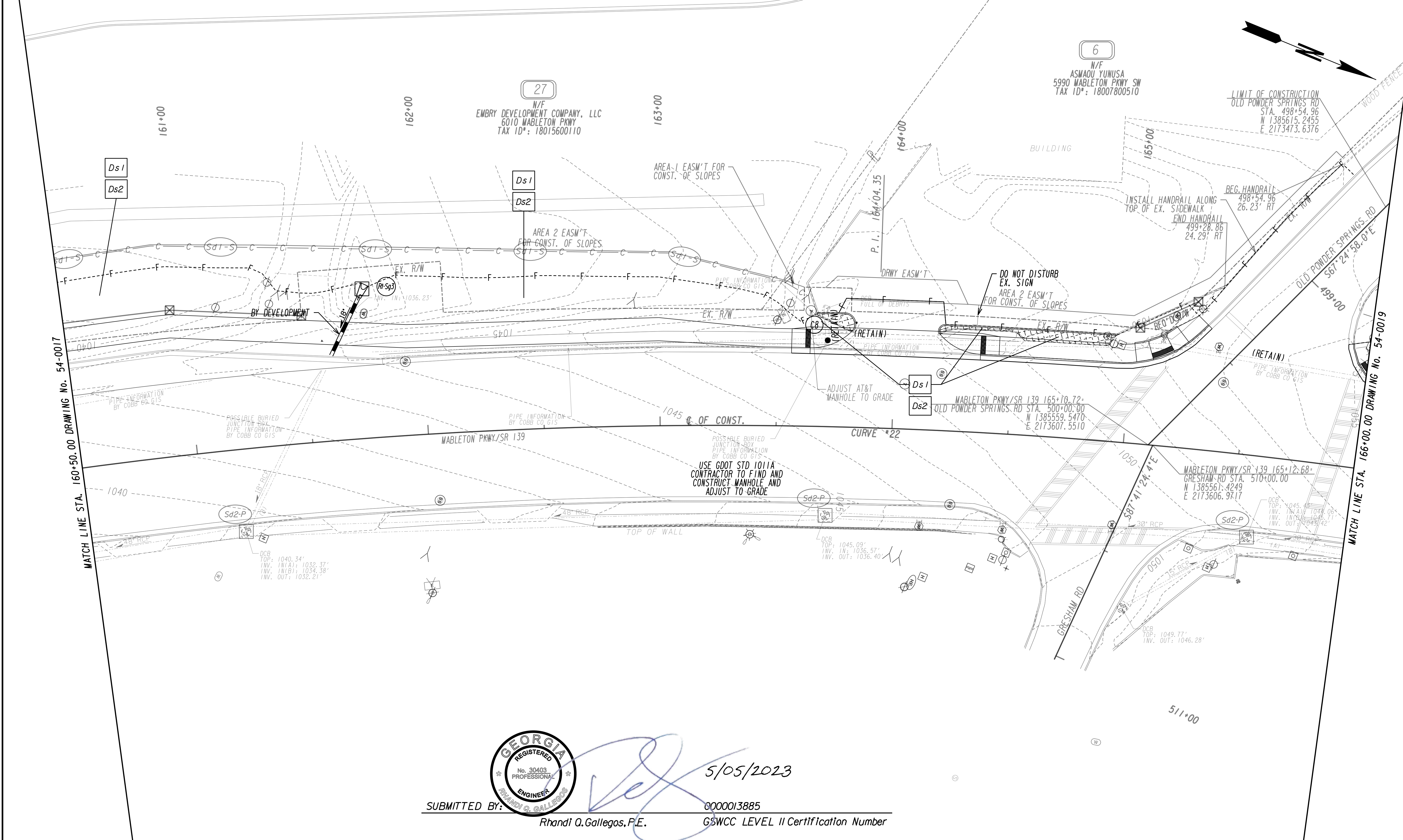
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



REVISION DATES	

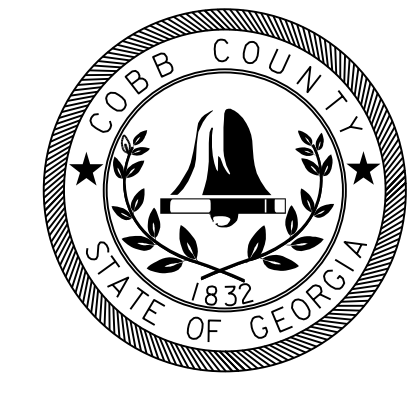
BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0017</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	




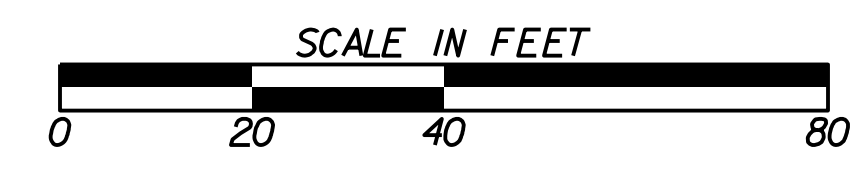



  
 SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023
   
 0000013885
   
 GSWCC LEVEL II Certification Number

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

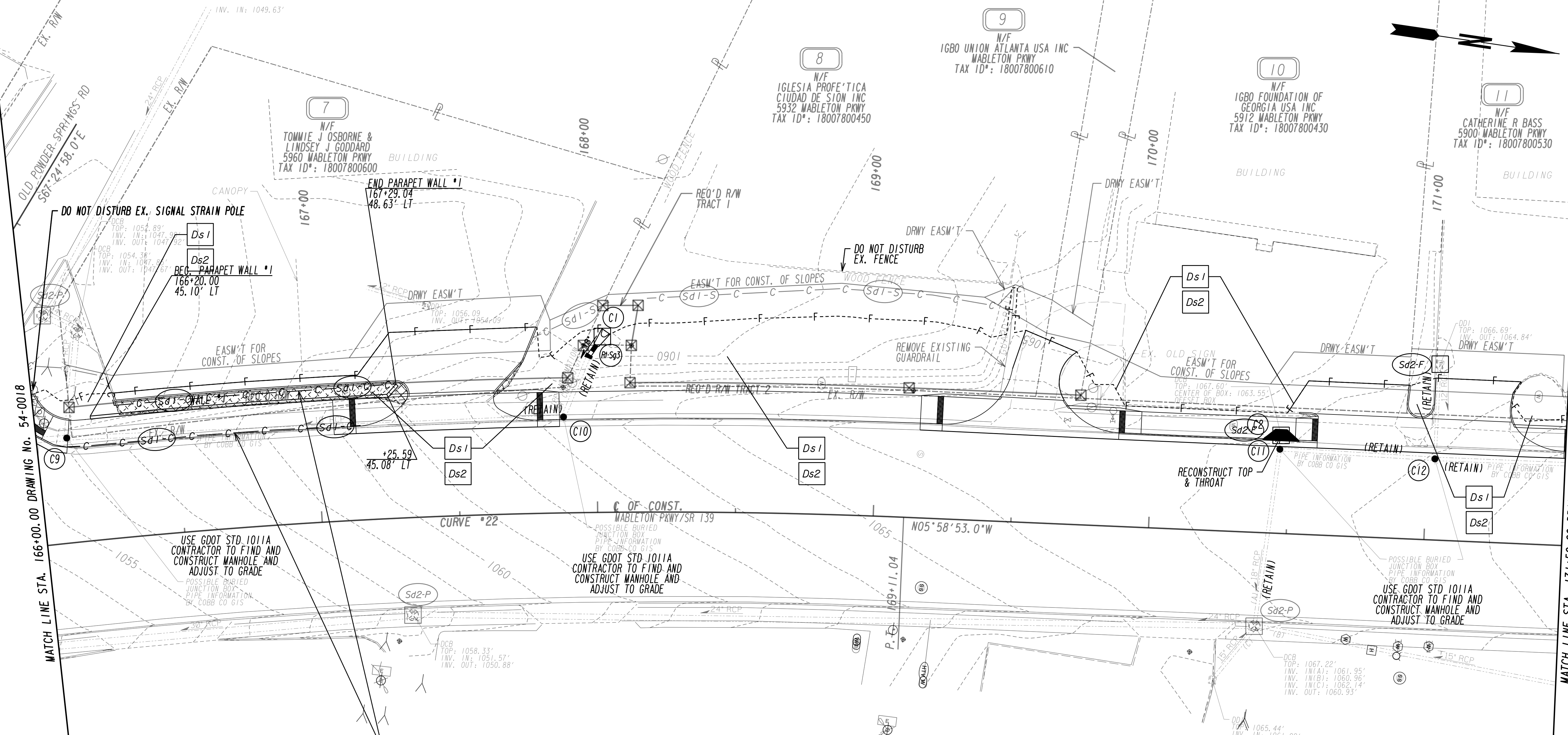


PLANS PREPARED AND SUBMITTED BY:  

 65 Aberdeen Drive  
 Glasgow, KY 42044  
 (502) 651-1220  
 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0018</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 166+00.00 DRAWING No. 54-0018

MATCH LINE STA. 171+50.00 DRAWING No. 54-0020

USE GDOT STD 1011A CONTRACTOR TO FIND AND CONSTRUCT MANHOLE AND ADJUST TO GRADE

USE GDOT STD 1011A CONTRACTOR TO FIND AND CONSTRUCT MANHOLE AND ADJUST TO GRADE

USE GDOT STD 1011A CONTRACTOR TO FIND AND CONSTRUCT MANHOLE AND ADJUST TO GRADE

REMOVE SILT FENCE AFTER WALL IS CONSTRUCTED. THEN BUILD CURB FOR PARKING LOT AND GRADE BETWEEN WALL AND CURB. ALSO BUILD MULTI-USE TRAIL.



5/05/2023  
 SUBMITTED BY: Rhandi O. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

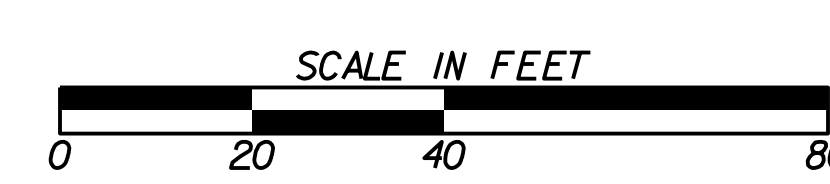
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

---	---
---	---
---	---
---	---
---	---



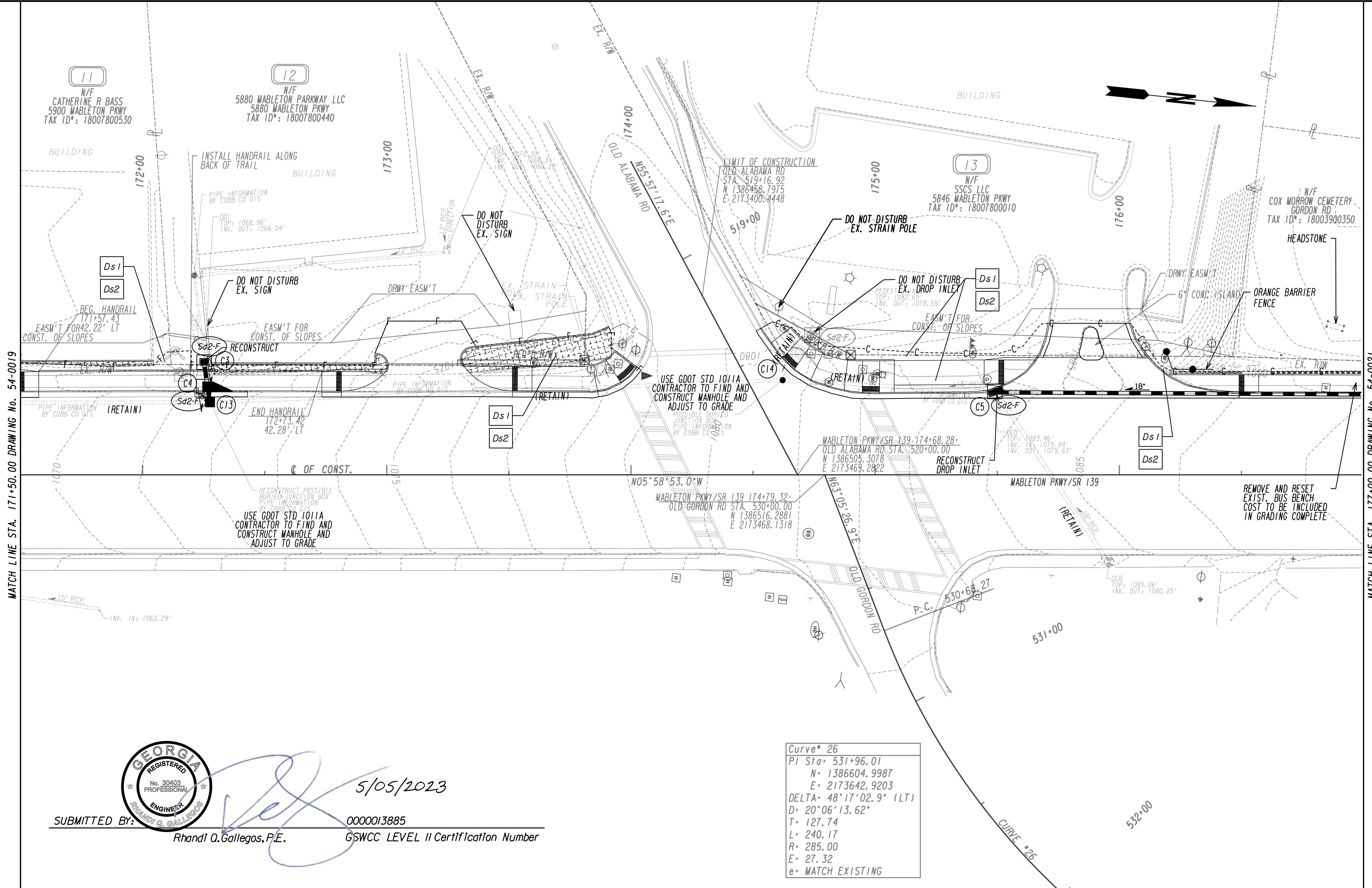
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE I I		
CHECKED:	DATE:	DRAWING No. <b>54-0019</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 171+50.00 DRAWING No. 54-0019

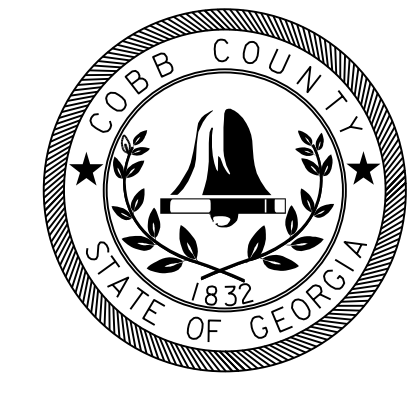
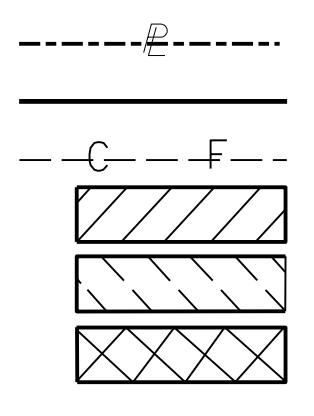
MATCH LINE STA. 177+00.00 DRAWING No. 54-0021



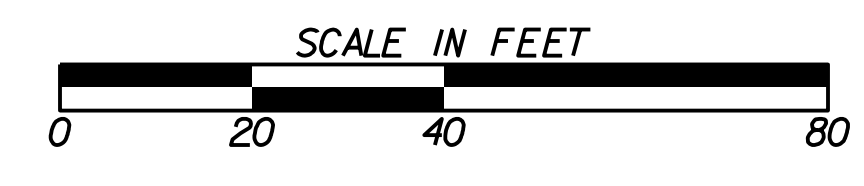
5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

Curve\* 26  
 PI Sta\* 531+96.01  
 N= 1386604.9987  
 E= 2173642.9203  
 DELTA= 48°17'02.9" (LT)  
 D= 20'06"13.62"  
 T= 127.74  
 L= 240.17  
 R= 285.00  
 E= 27.32  
 e= MATCH EXISTING

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

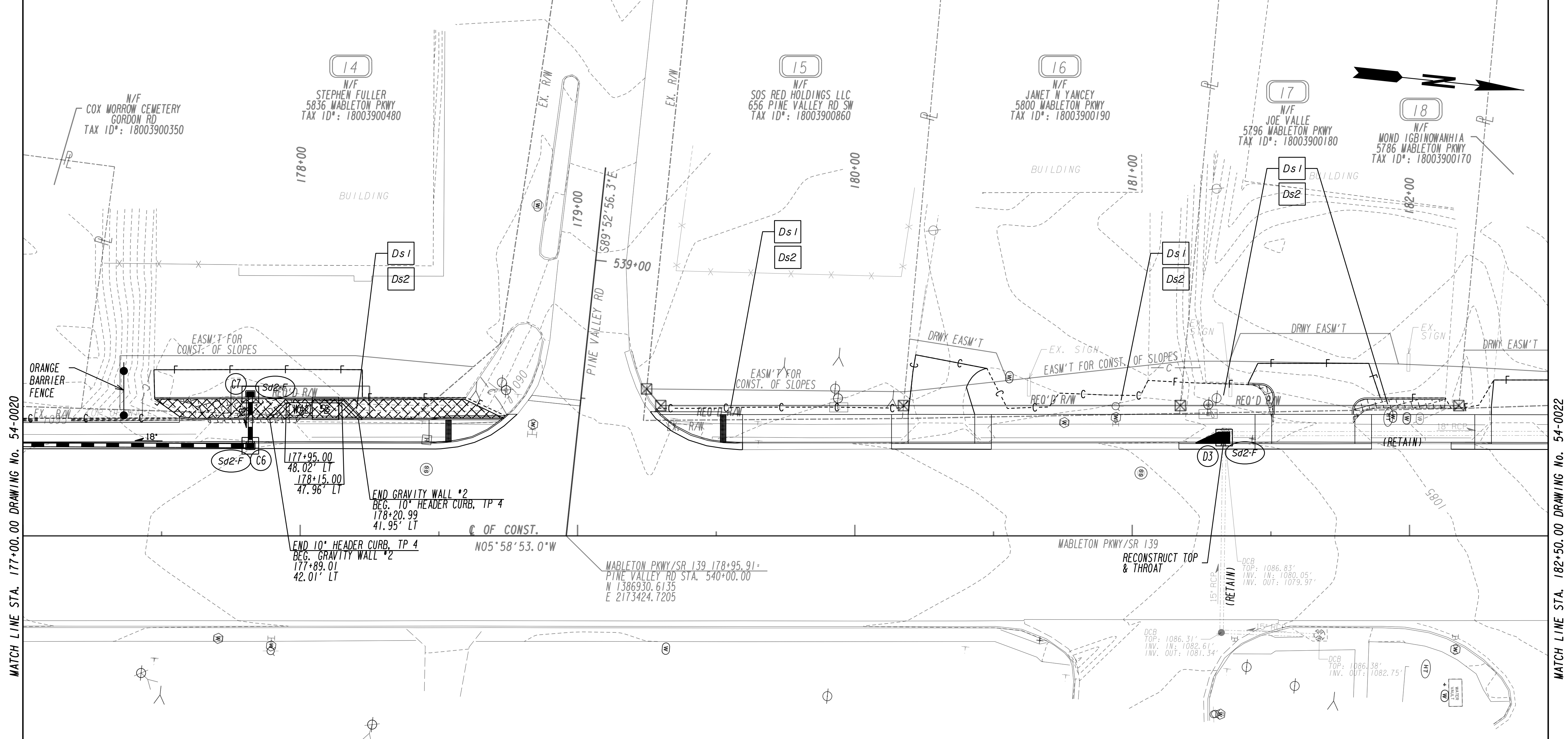


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE 1 I		
CHECKED:	DATE:	DRAWING No. <b>54-0020</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 177+00.00 DRAWING No. 54-0020

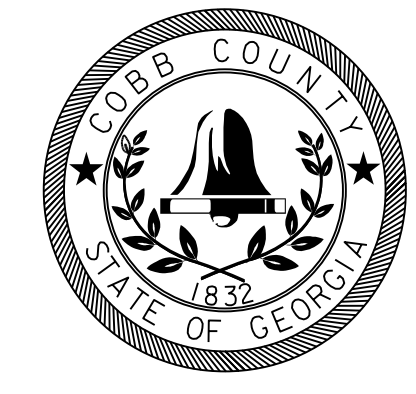
MATCH LINE STA. 182+50.00 DRAWING No. 54-0022



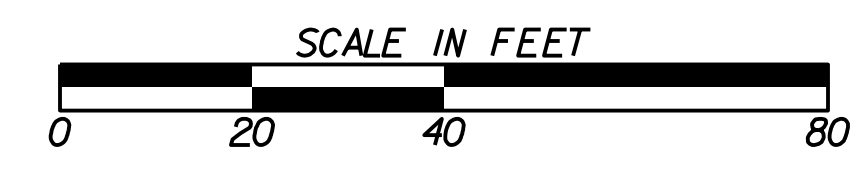
5/05/2023

SUBMITTED BY: Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

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	▧

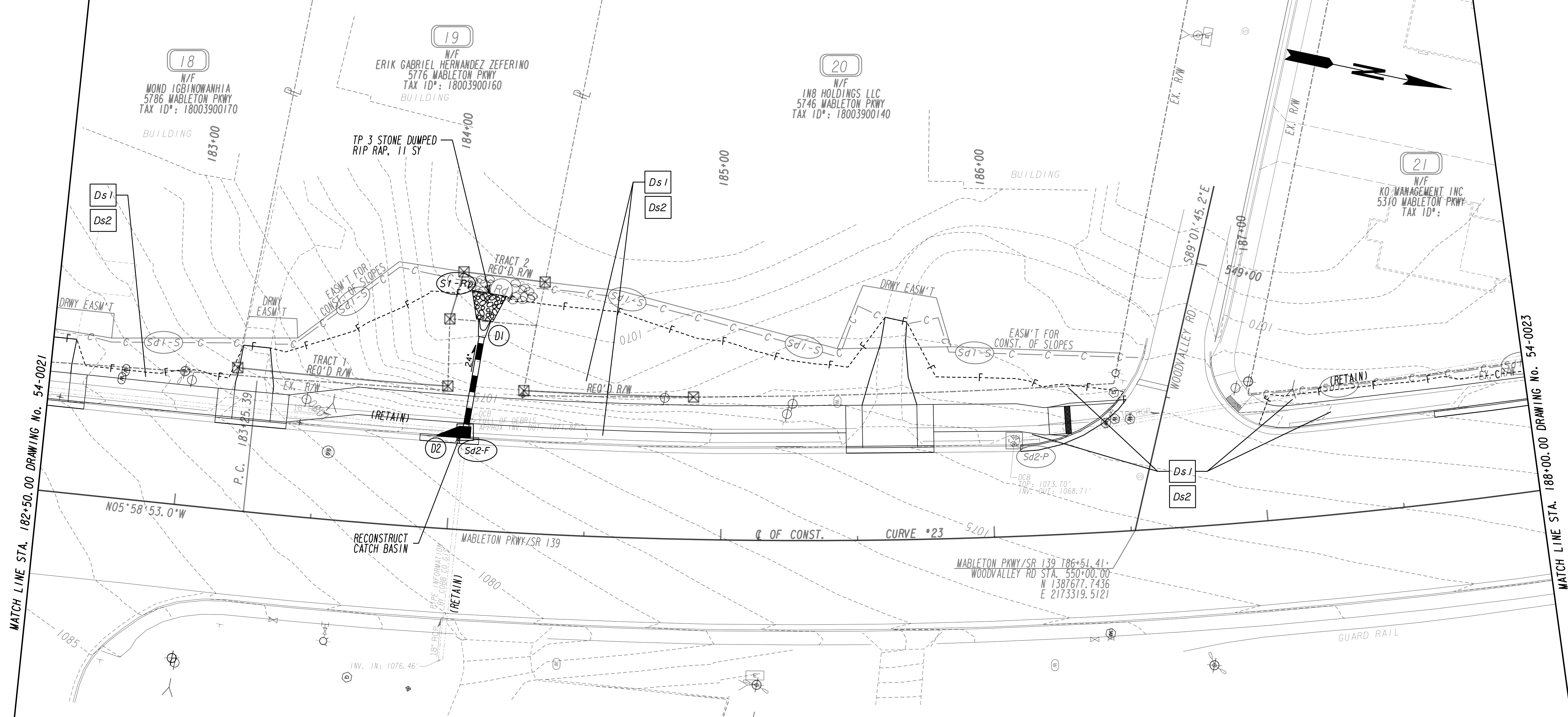


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

<b>BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE I I</b>			
CHECKED:	DATE:	DRAWING No. <b>54-0021</b>	
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		



MATCH LINE STA. 182+50.00 DRAWING No. 54-0021

MATCH LINE STA. 188+00.00 DRAWING No. 54-0023

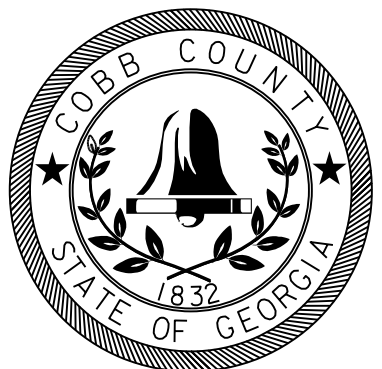


*Rhandi Q. Gallegos*  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.

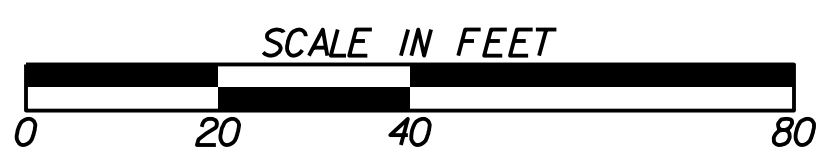
5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve # 23	
PI Sta = 190+60.41	
N = 1388088.7754	
E = 2173303.3733	
DELTA = 40°43'57.1" (LT)	
D = 02°53'37.41"	
T = 735.03	
L = 1407.62	
R = 1980.00	
E = 132.03	
e = MATCH EXISTING	

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	▧

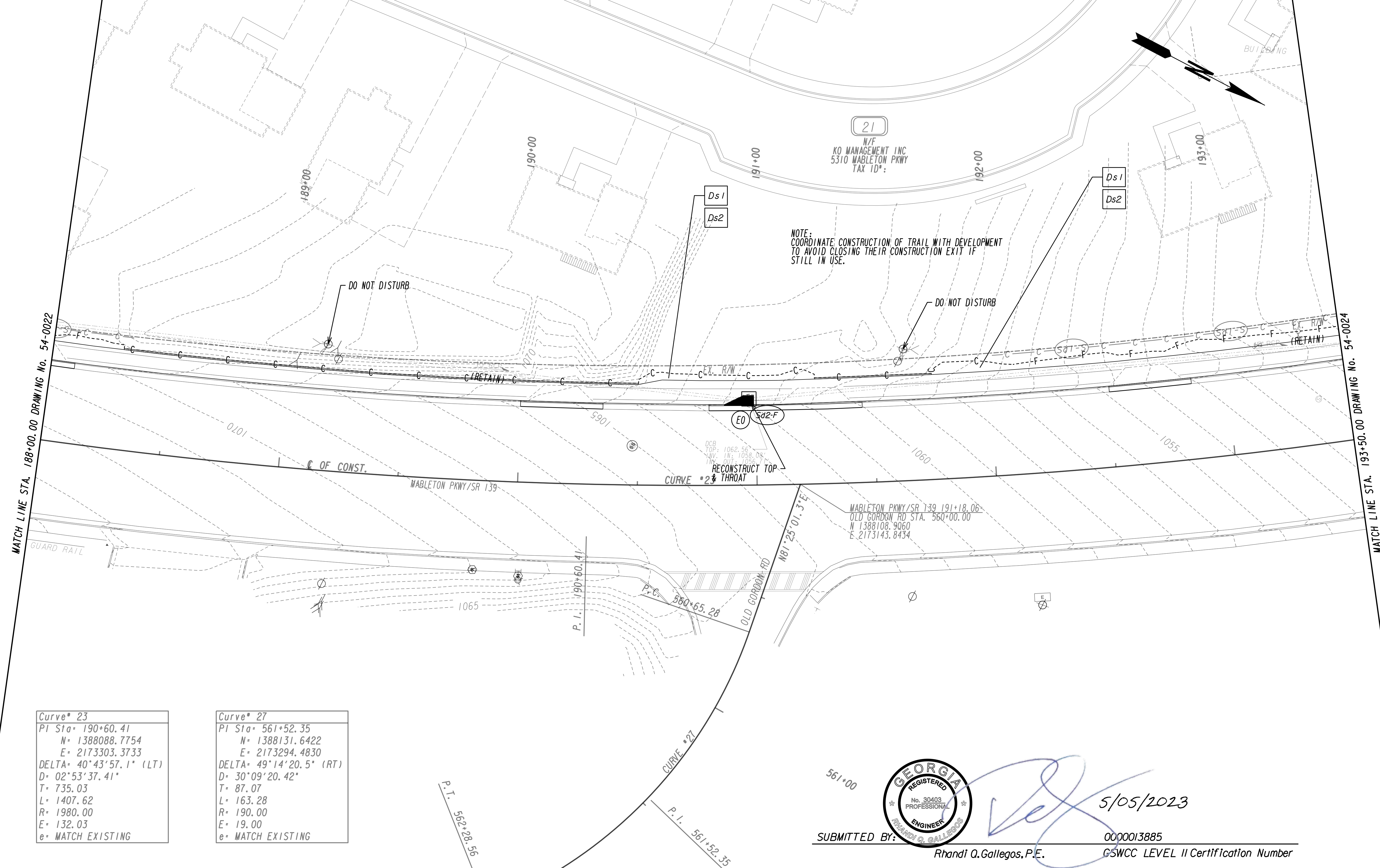


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS		
STAGE I		
MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0022</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



Curve\* 23

PI Sta= 190+60.41
N= 1388088.7754
E= 2173303.3733
DELTA= 40°43'57.1" (LT)
D= 02°53'37.41"
T= 735.03
L= 1407.62
R= 1980.00
E= 132.03
e= MATCH EXISTING

Curve\* 27

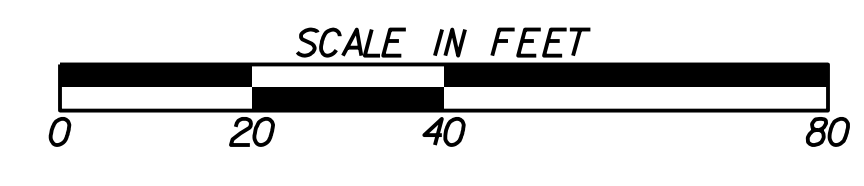
PI Sta= 561+52.35
N= 1388131.6422
E= 2173294.4830
DELTA= 49°14'20.5" (RT)
D= 30°09'20.42"
T= 87.07
L= 163.28
R= 190.00
E= 19.00
e= MATCH EXISTING

5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885 GSWCC LEVEL II Certification Number

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

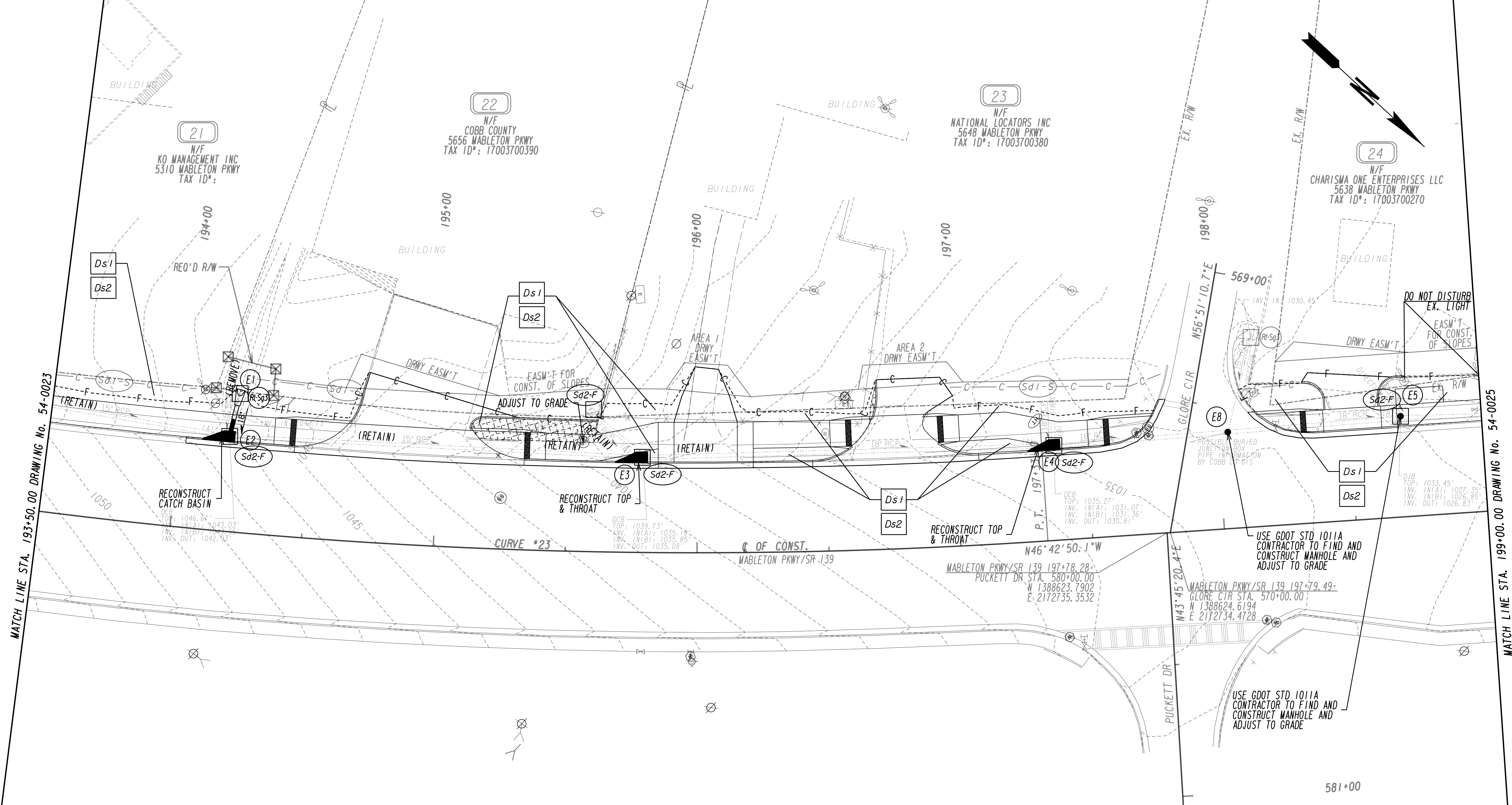


PLANS PREPARED AND SUBMITTED BY:  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE I I		
CHECKED:	DATE:	DRAWING No. <b>54-0023</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



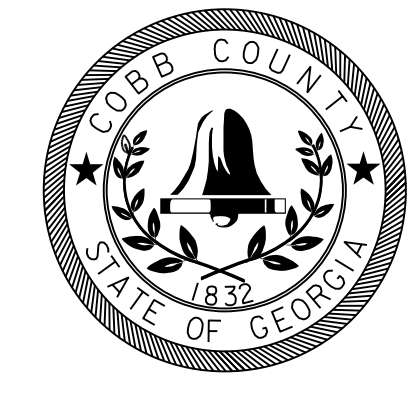
MATCH LINE STA. 193+50.00 DRAWING No. 54-0023

MATCH LINE STA. 199+00.00 DRAWING No. 54-0025

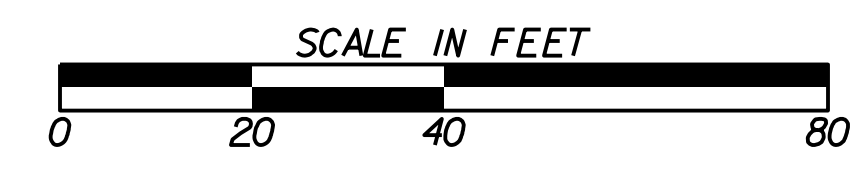


5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

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

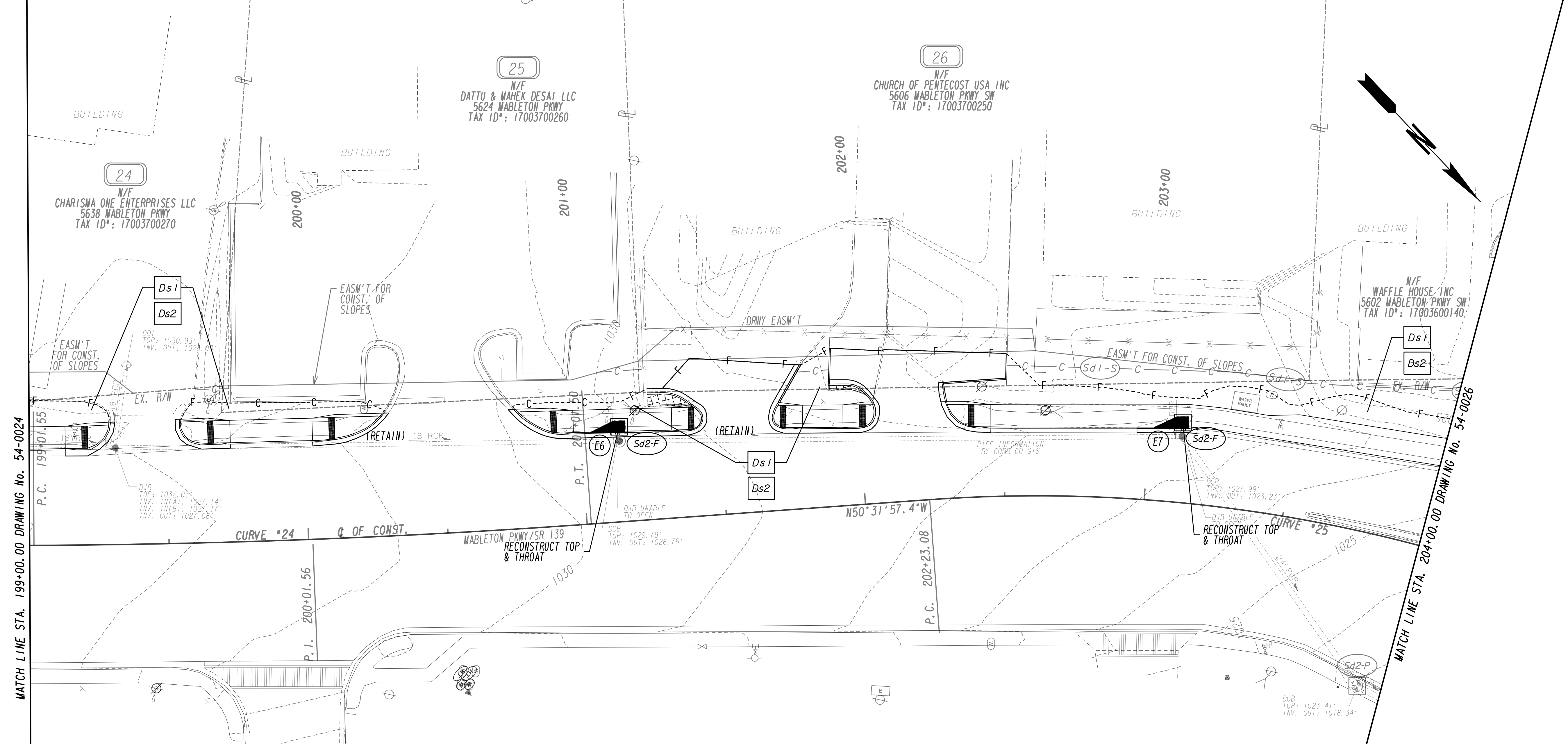


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0024</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 199+00.00 DRAWING No. 54-0024

MATCH LINE STA. 204+00.00 DRAWING No. 54-0026

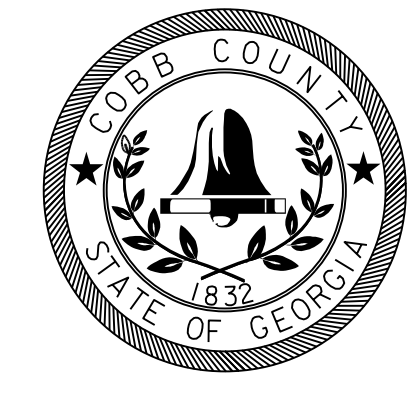
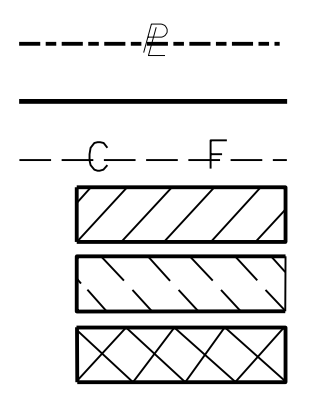
Curve* 24	
PI Sta	200+01.56
N	1388776.8781
E	2172572.8212
DELTA	03°49'07.3" (LT)
D	01'54"35.49"
T	100.01
L	199.95
R	3000.00
E	1.67
e	MATCH EXISTING

Curve* 25	
PI Sta	204+28.12
N	1389048.0607
E	2172243.4686
DELTA	41°52'02.4" (RT)
D	10'41"22.24"
T	205.04
L	391.67
R	536.00
E	37.88
e	MATCH EXISTING

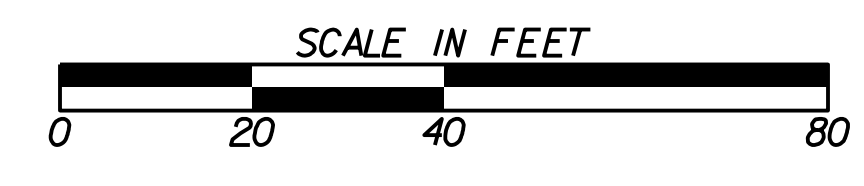


SUBMITTED BY: Rhandi Q. Gallegos, P.E. 5/05/2023  
 0000013885 GSWCC LEVEL II Certification Number

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



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

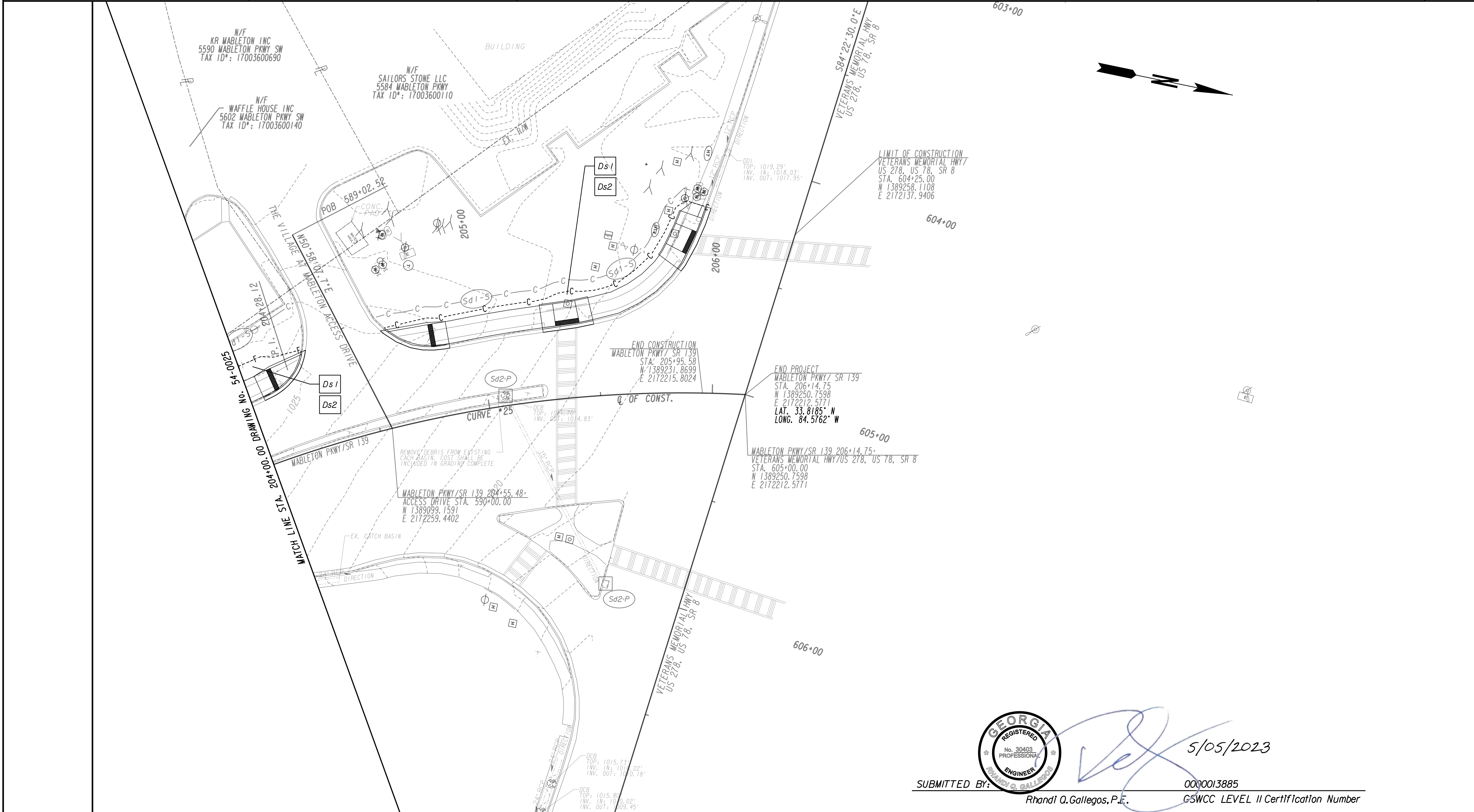


REVISION DATES	

**BMP LOCATION DETAILS**  
**STAGE I**  
 MABLETON PKWY TRAIL, PHASE I I

CHECKED:	DATE:	DRAWING No. <b>54-0025</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

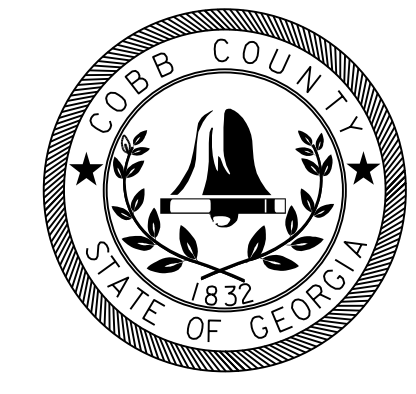
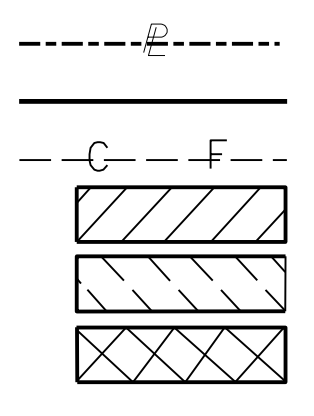




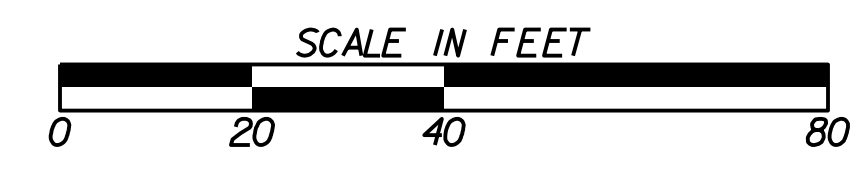
*Rhandi Q. Gallegos*  
5/05/2023

SUBMITTED BY: Rhandi Q. Gallegos, P.E. 0000013885 GSWCC LEVEL II Certification Number

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

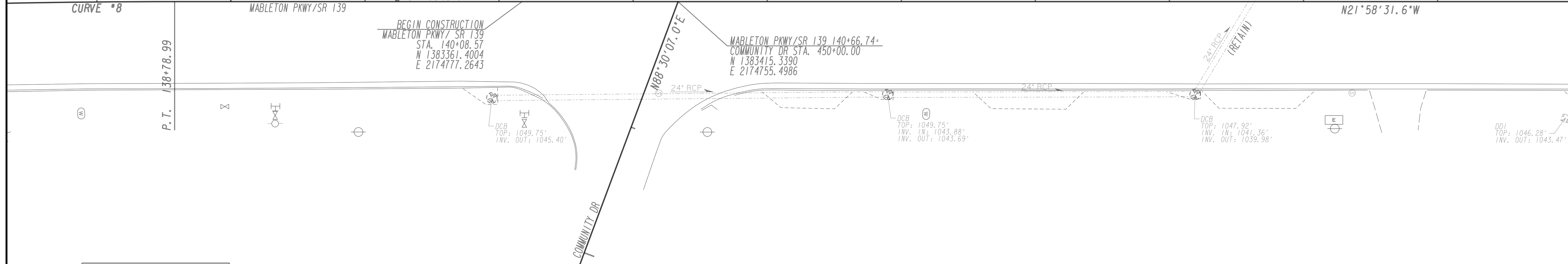
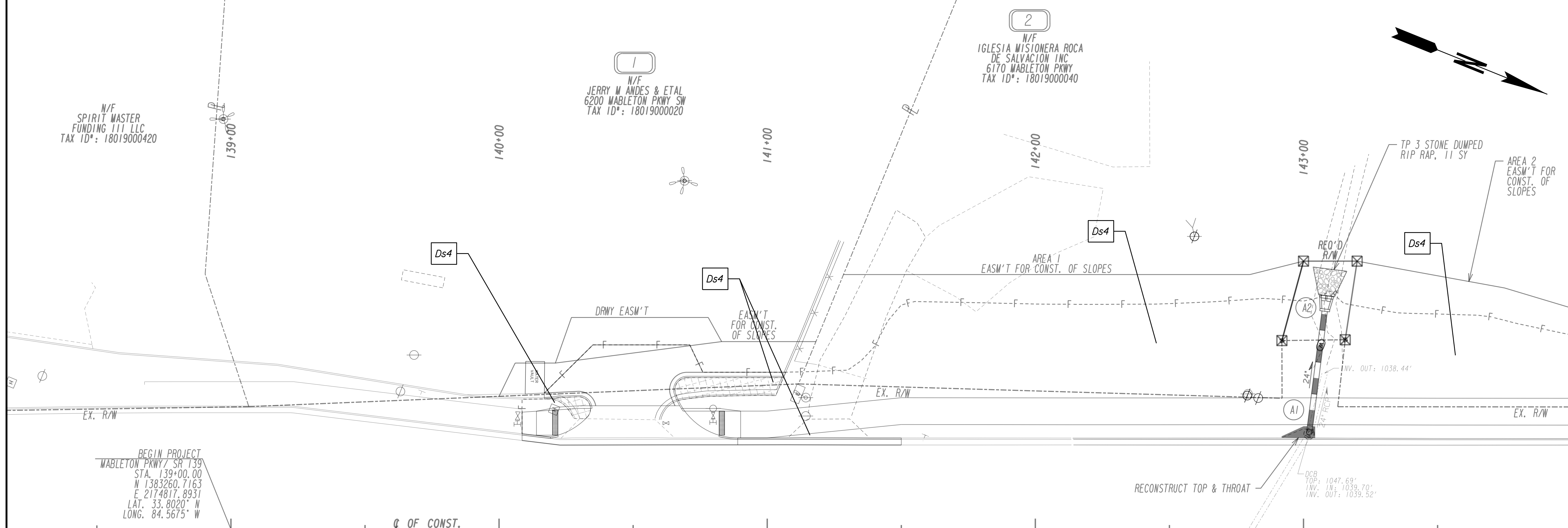


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE I MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0026</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



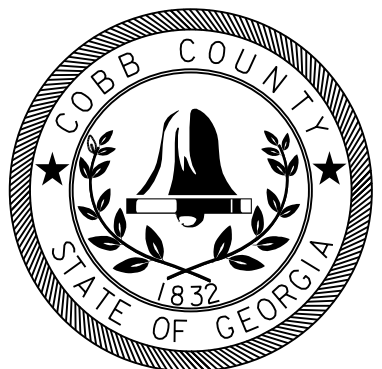
Curve # 8

PI Sta	135+07.83
N	1382893.7910
E	2174965.9576
DELTA	13°33'56.8" (RT)
D	01°49'08.09"
T	374.66
L	745.82
R	3150.00
e	22.20
e	MATCH EXISTING

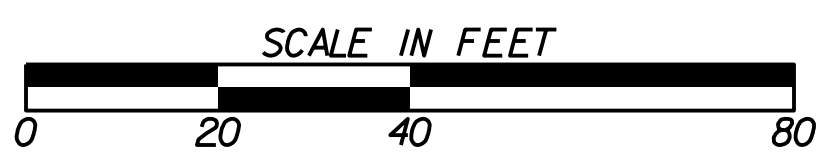


SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 Rhandi Q. Gallegos, P.E. 0000013885  
 GSWCC LEVEL II Certification Number

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



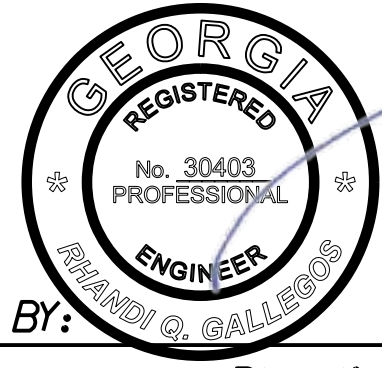
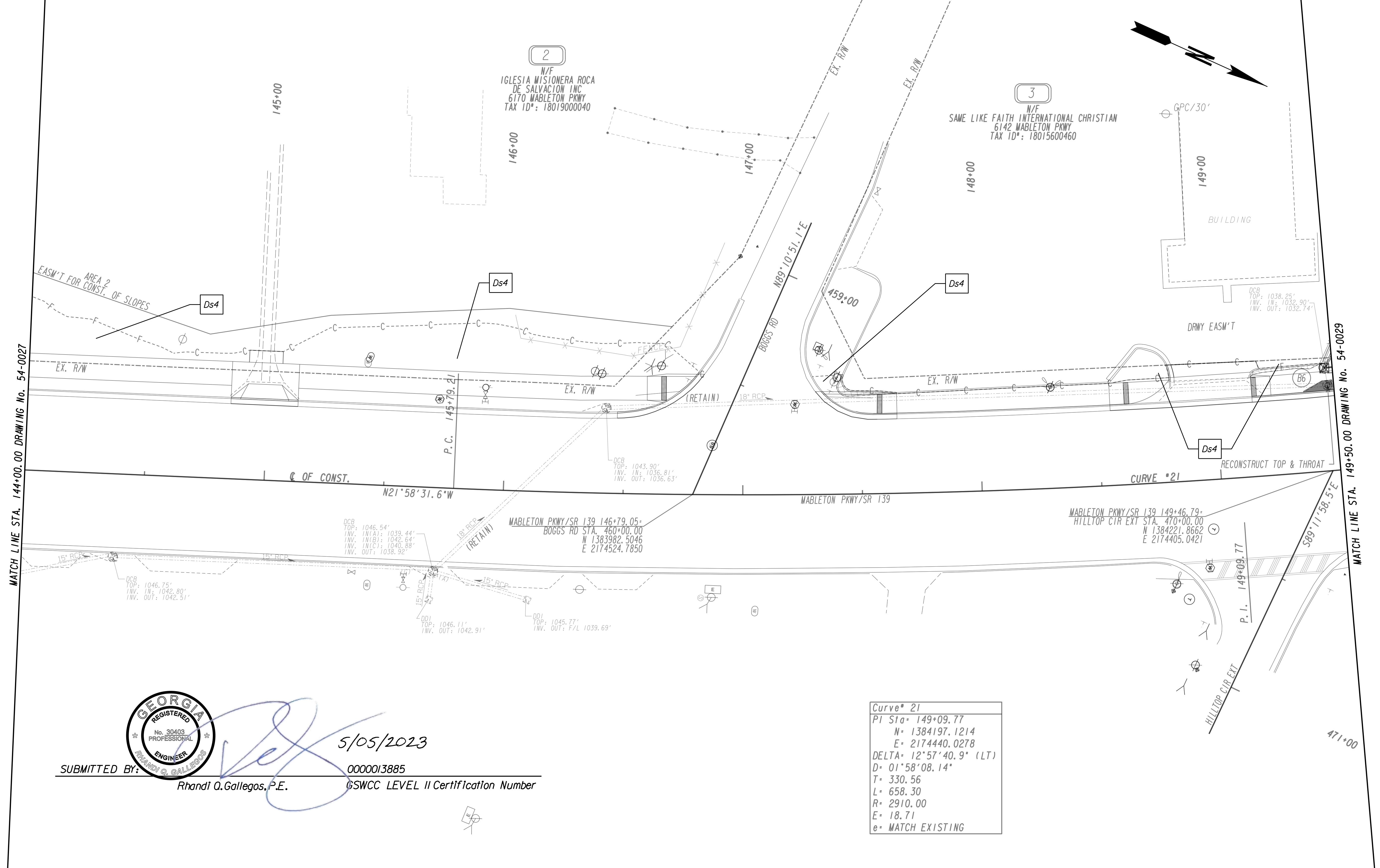
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE 11		
CHECKED:	DATE:	DRAWING No. <b>54-0027</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

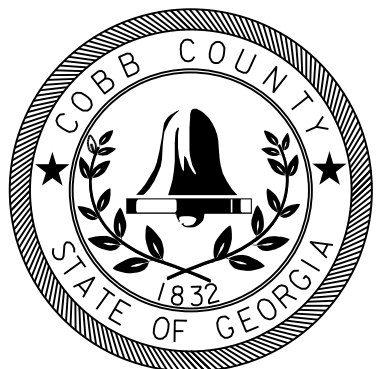
MATCH LINE STA. 144+00.00 DRAWING No. 54-0028



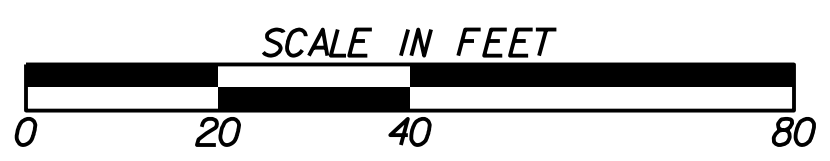
SUBMITTED BY: Rhandi O. Gallegos, P.E. 0000013885 @SWCC LEVEL II Certification Number

5/05/2023

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



PLANS PREPARED AND SUBMITTED BY:  
AEI AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

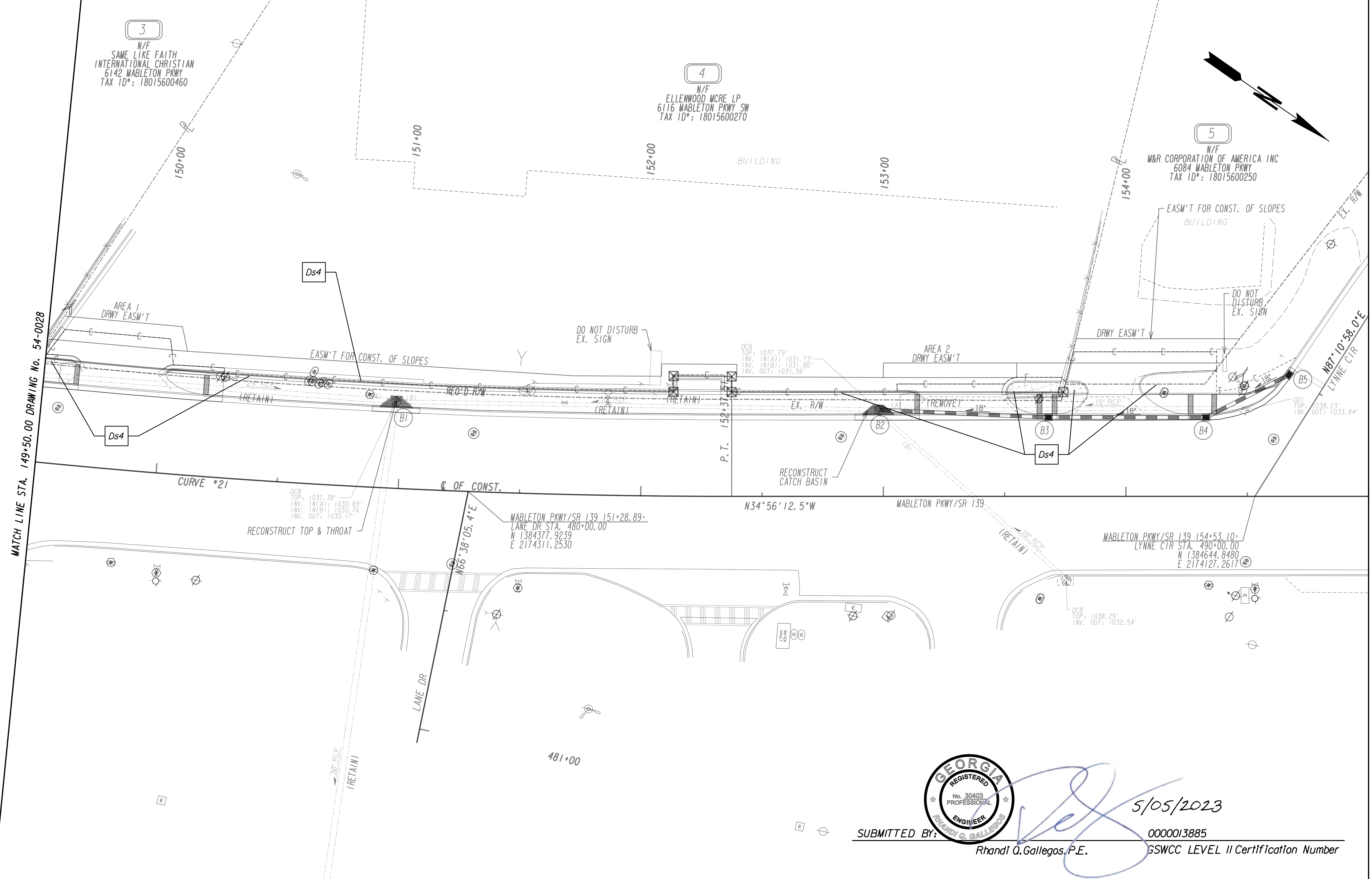


REVISION DATES	

**BMP LOCATION DETAILS  
STAGE 2  
MABLETON PKWY TRAIL, PHASE 11**

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

DRAWING No.  
**54-0028**



MATCH LINE STA. 149+50.00 DRAWING No. 54-0028

MATCH LINE STA. 155+00.00 DRAWING No. 54-0030

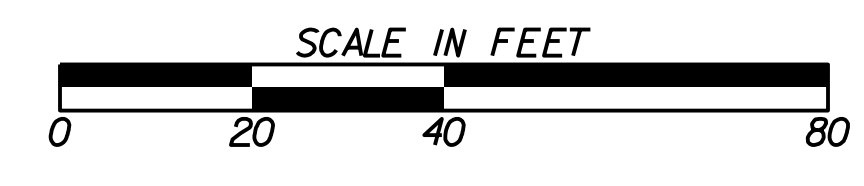


*[Signature]*  
 5/05/2023  
 SUBMITTED BY: Rhandi O. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

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

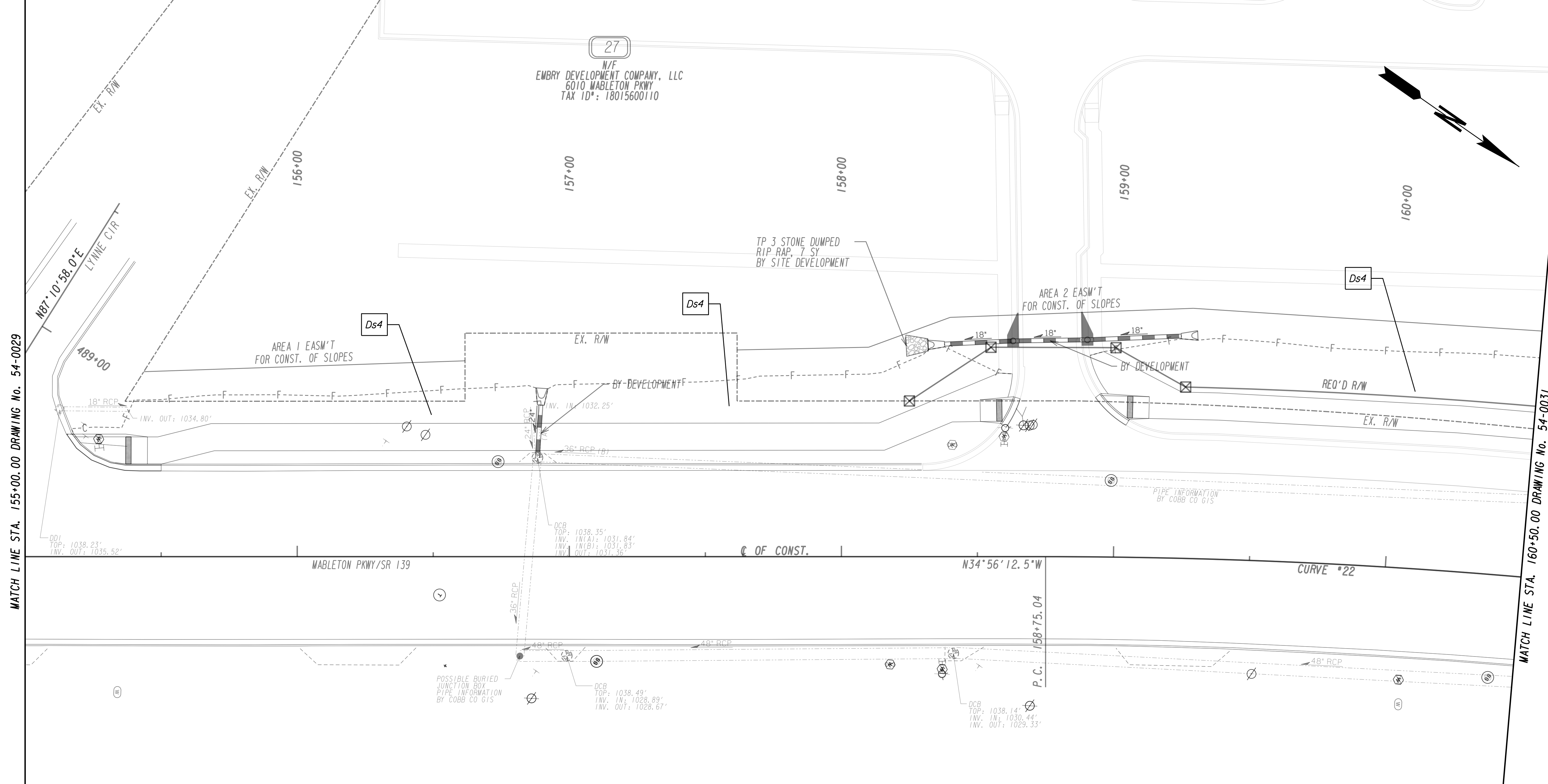



PLANS PREPARED AND SUBMITTED BY:  
  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0029</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 155+00.00 DRAWING No. 54-0029

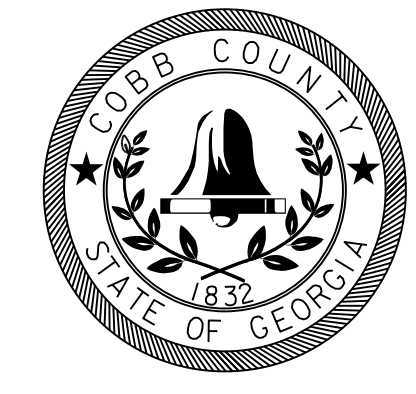
MATCH LINE STA. 160+50.00 DRAWING No. 54-0031



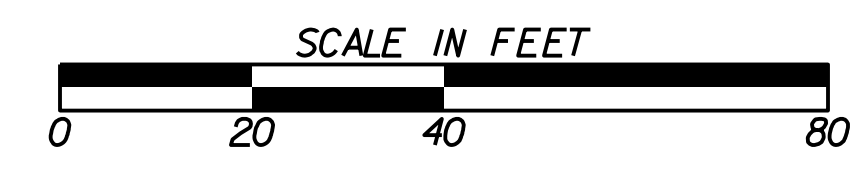
SUBMITTED BY: Rhandi O. Gallegos, P.E. 5/05/2023  
 0000013885 GSWCC LEVEL II Certification Number

Curve# 22			
PI Sta	=	164+04.35	
N	=	1385424.6679	
E	=	2173582.5070	
DELTA	=	28°57'19.5" (RT)	
D	=	02°47'41.70"	
T	=	529.32	
L	=	1036.00	
R	=	2050.00	
E	=	67.23	
e	=	MATCH EXISTING	

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

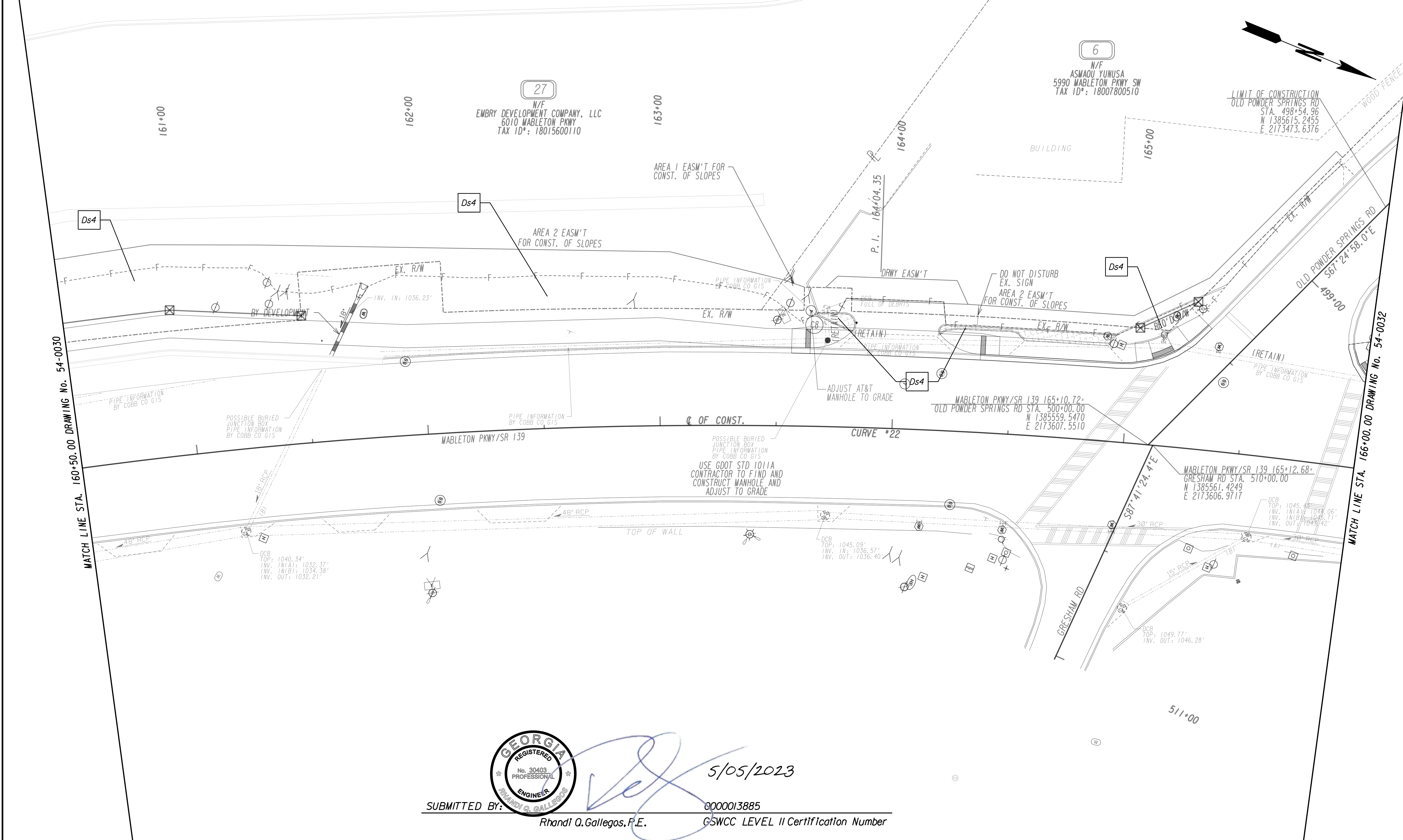


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0030



MATCH LINE STA. 160+50.00 DRAWING NO. 54-0030

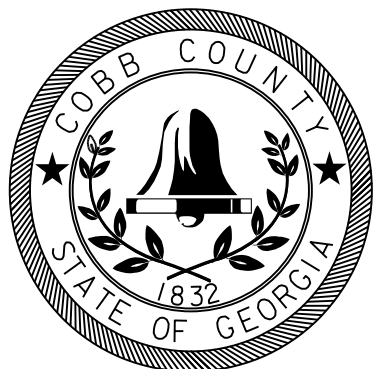
MATCH LINE STA. 166+00.00 DRAWING NO. 54-0032



SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

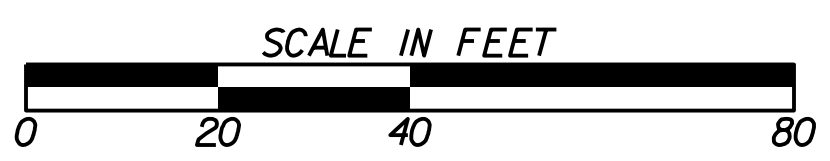
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

---	---
---	---
---	---
---	---
---	---



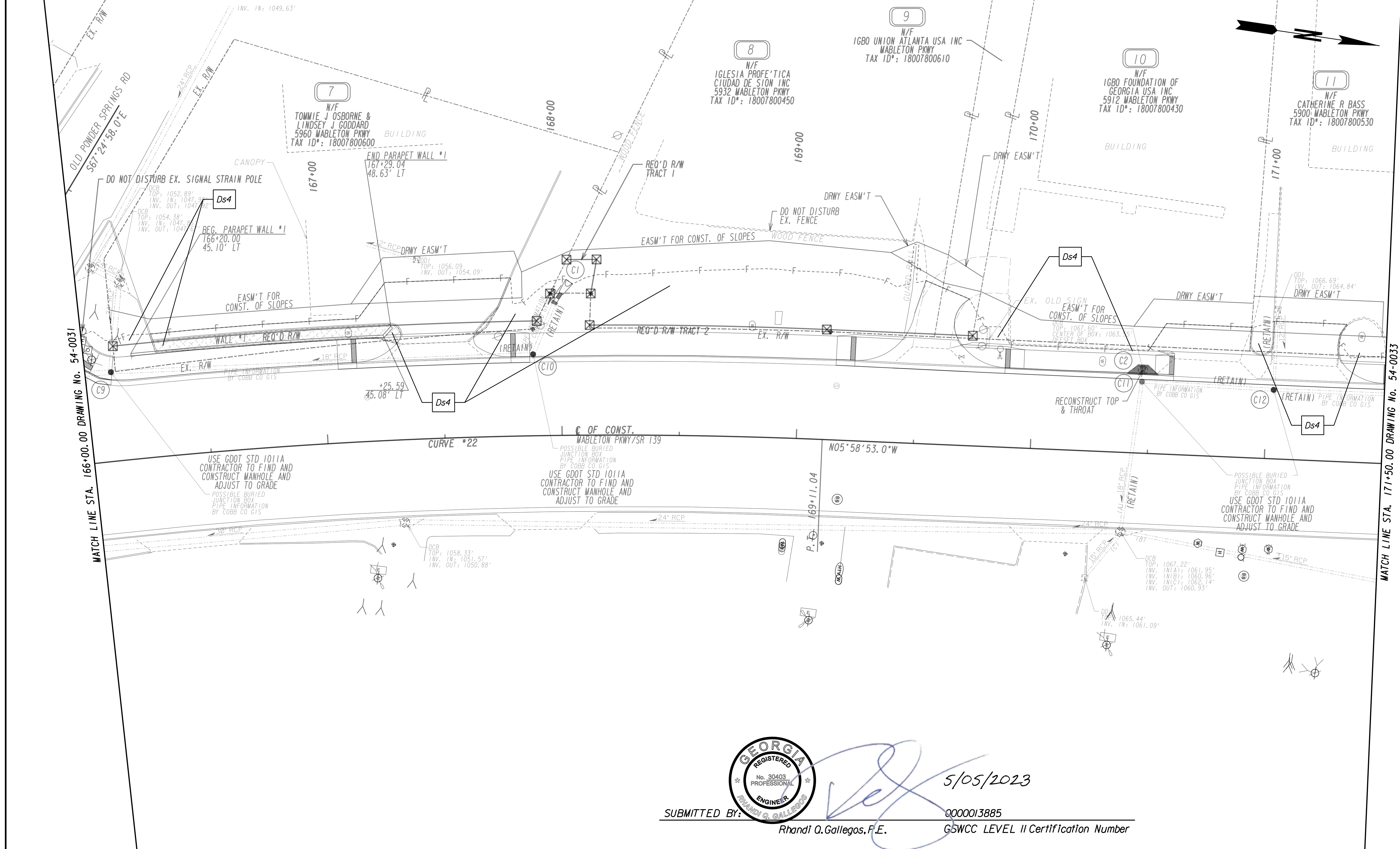
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

OFFICES:  
 65 Aberdeen Drive, Glasgow, KY 42044 (502) 658-1220  
 2500 Nelson Miller Parkway, Louisville, KY 40223 (502) 345-3813  
 960 Acworth Landing Drive, Acworth, GA 30001 (770) 421-9422



REVISION DATES	

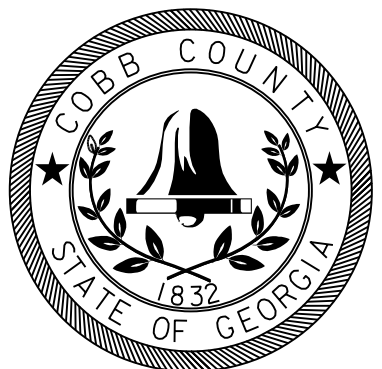
BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	54-0031
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		



SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
 Rhandi O. Gallegos, F.E. 0000013885  
 GSWCC LEVEL II Certification Number

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

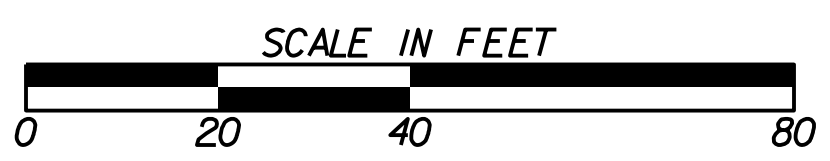
---	---
---	---
---	---
---	---
---	---



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

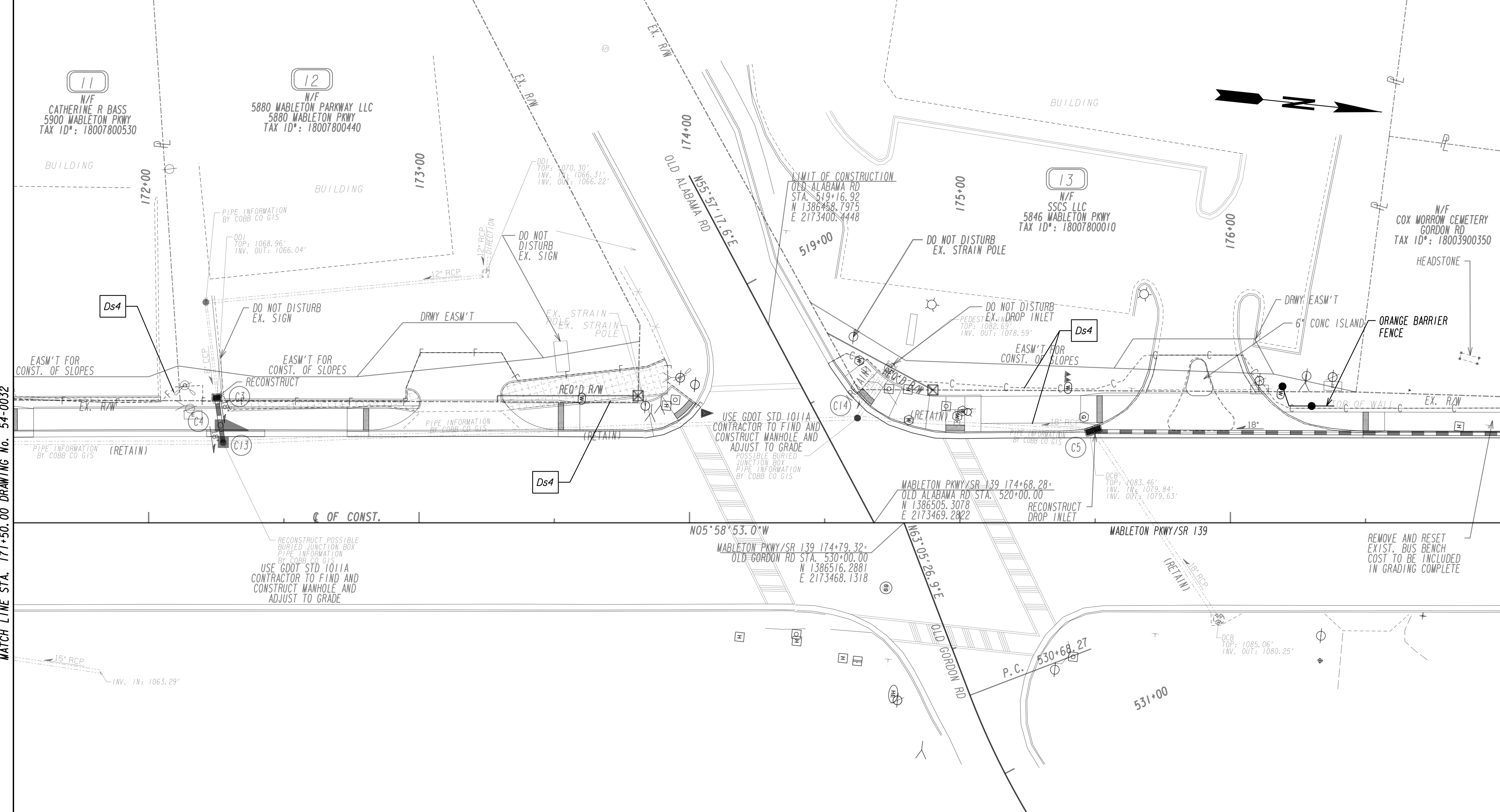
2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813

560 Acworth Landing Drive  
 Acworth, GA 30011  
 (770) 421-8422



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0032</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



MATCH LINE STA. 171+50.00 DRAWING No. 54-0032

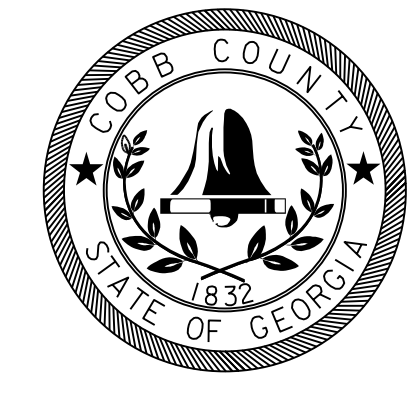
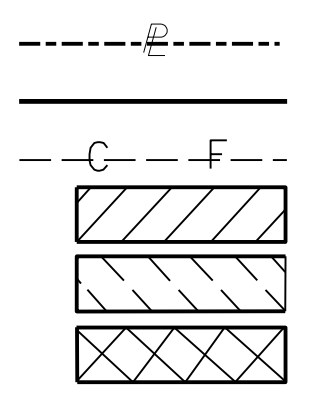
MATCH LINE STA. 177+00.00 DRAWING No. 54-0034



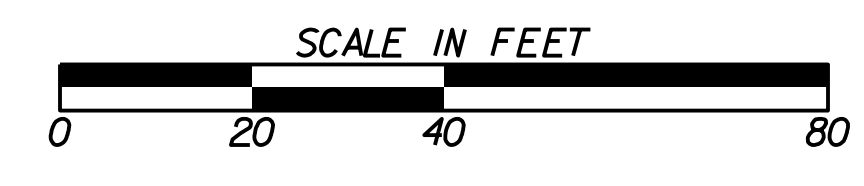
*Rhandi Q. Gallegos*  
 SUBMITTED BY: **Rhandi Q. Gallegos, F.E.**  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve* 26
PI Sta* 531+96.01
N* 1386604.9987
E* 2173642.9203
DELTA* 48°17'02.9" (LT)
D* 20'06"13.62"
T* 127.74
L* 240.17
R* 285.00
E* 27.32
e* MATCH EXISTING

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



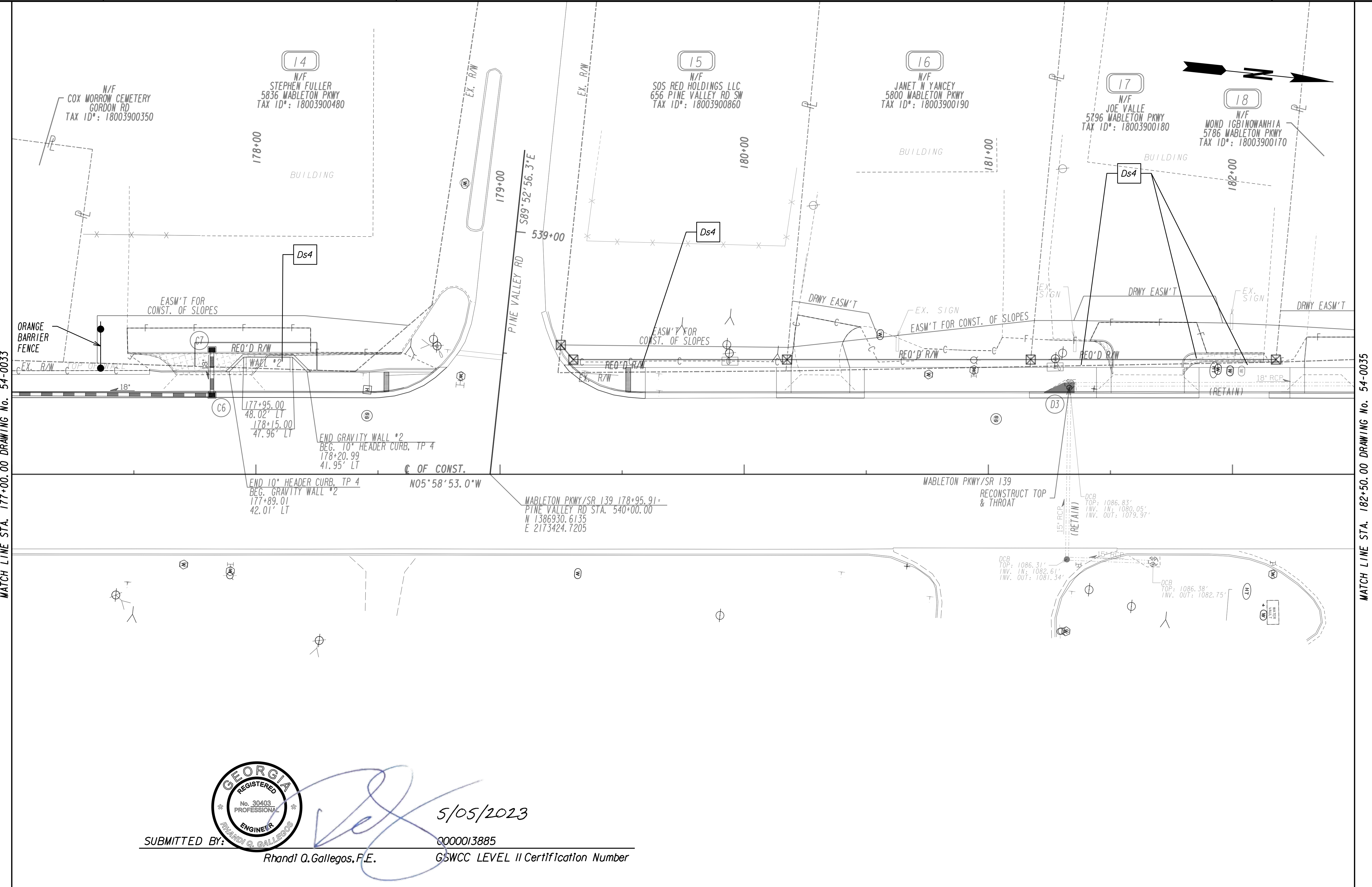
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES		

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0033	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





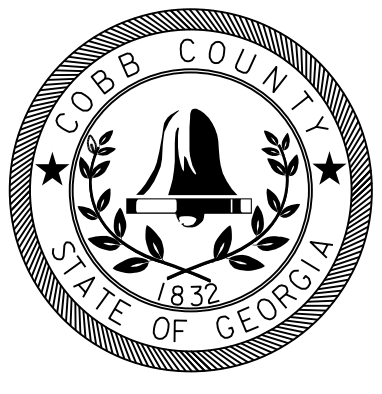
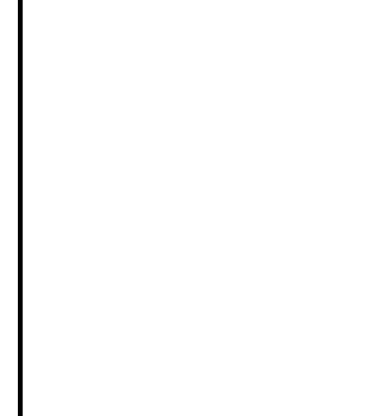
MATCH LINE STA. 177+00.00 DRAWING No. 54-0033

MATCH LINE STA. 182+50.00 DRAWING No. 54-0035



*Rhandi Q. Gallegos*  
 SUBMITTED BY: **Rhandi Q. Gallegos, F.E.**  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

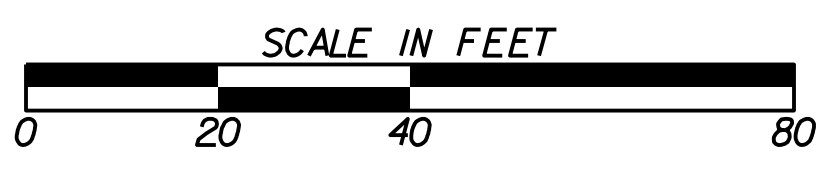
PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

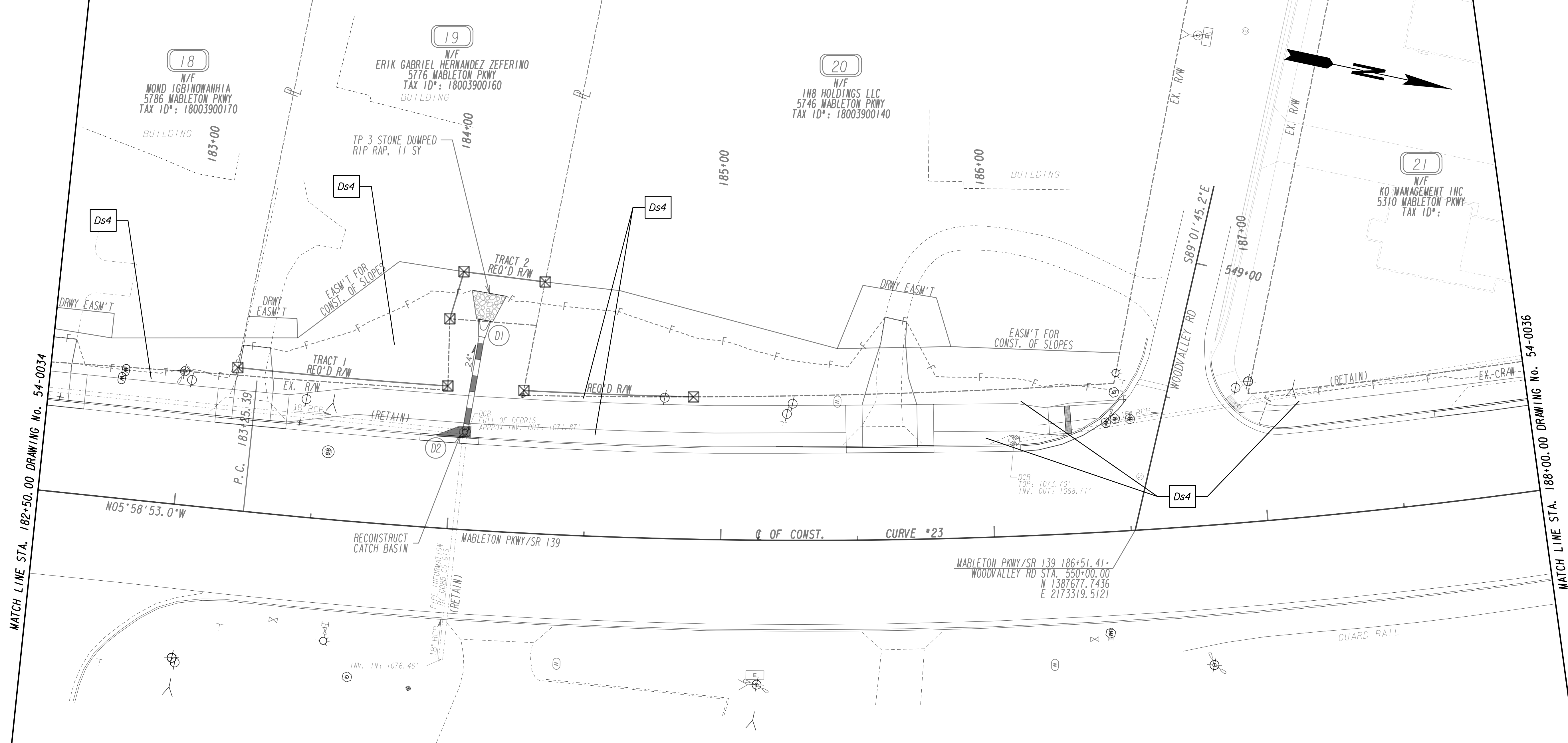
0 65 Aberdeen Drive Glasgow, KY 42044 (502) 651-7220  
 0 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 245-3813

0 560 Acworth Landing Drive Acworth, GA 30001 (770) 421-8422



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE 11			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
DRAWING No.			54-0034



MATCH LINE STA. 182+50.00 DRAWING No. 54-0034

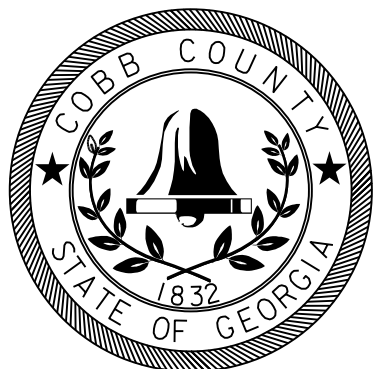
MATCH LINE STA. 188+00.00 DRAWING No. 54-0036



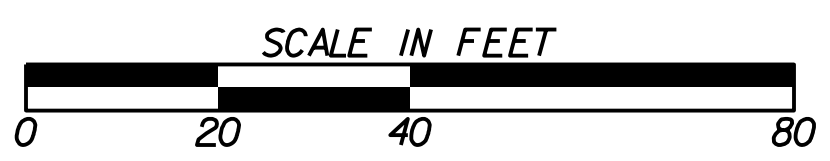
5/05/2023  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 0000013885  
 GSWCC LEVEL II Certification Number

Curve* 23	
PI Sta=	190+60.41
N=	1388088.7754
E=	2173303.3733
DELTA=	40°43'57.1" (LT)
D=	02°53'37.41"
T=	735.03
L=	1407.62
R=	1980.00
E=	132.03
e=	MATCH EXISTING

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	▧

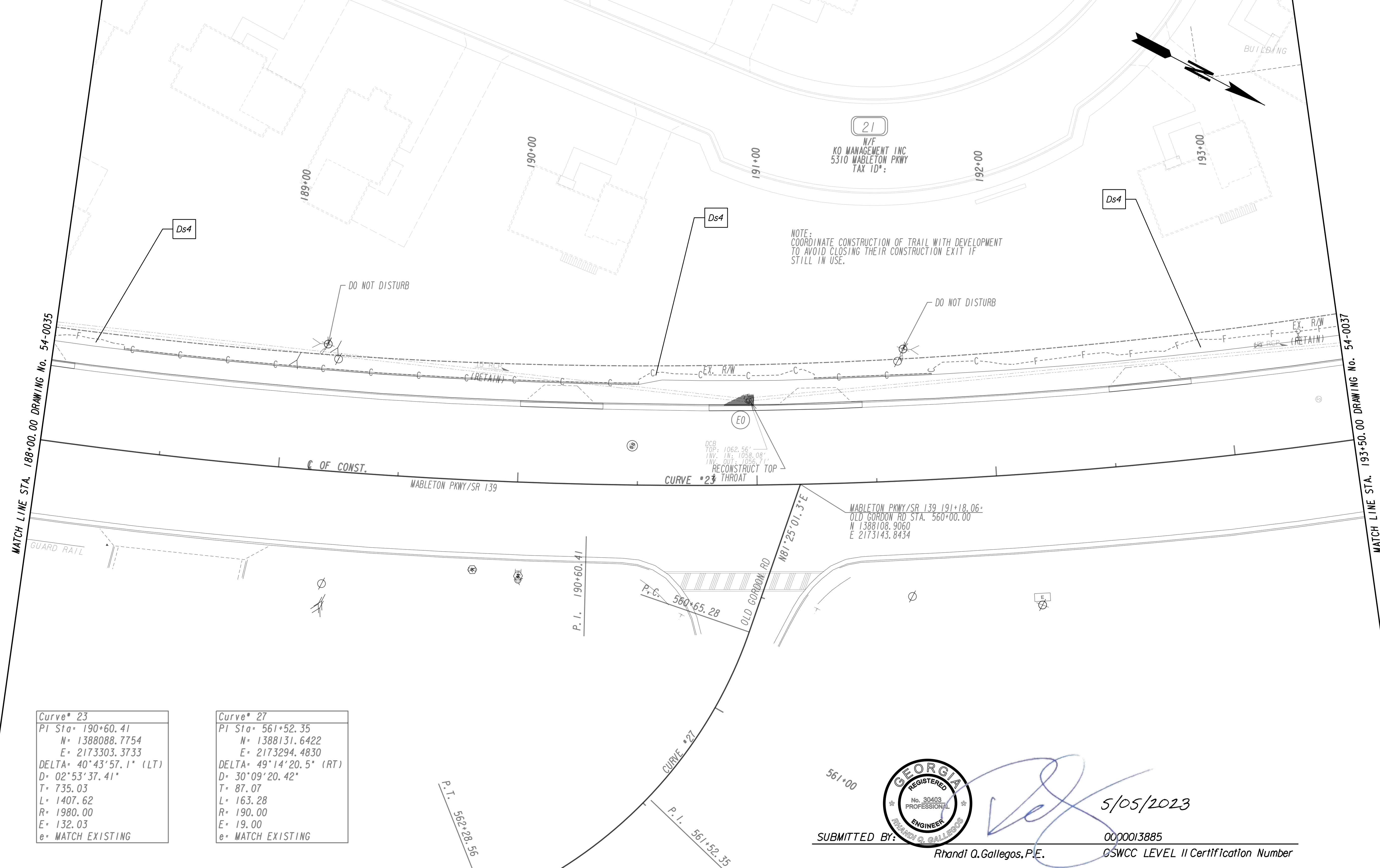


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS		
STAGE 2		
MABLETON PKWY TRAIL, PHASE 11		
CHECKED:	DATE:	DRAWING No. <b>54-0035</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

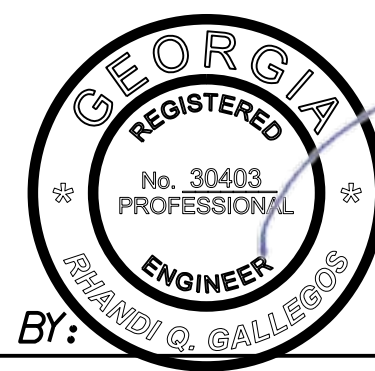


Curve\* 23

PI Sta	190+60.41
N	1388088.7754
E	2173303.3733
DELTA	40°43'57.1" (LT)
D	02°53'37.41"
T	735.03
L	1407.62
R	1980.00
E	132.03
e	MATCH EXISTING

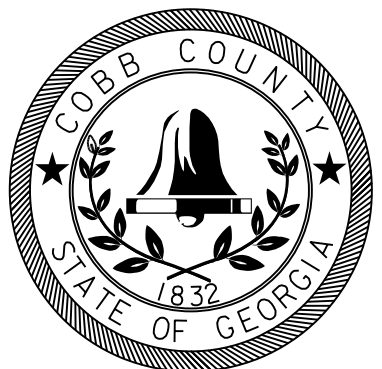
Curve\* 27

PI Sta	561+52.35
N	1388131.6422
E	2173294.4830
DELTA	49°14'20.5" (RT)
D	30°09'20.42"
T	87.07
L	163.28
R	190.00
E	19.00
e	MATCH EXISTING



SUBMITTED BY: *[Signature]* 5/05/2023  
 Rhandi Q. Gallegos, P.E. 0000013885  
 OSWCC LEVEL II Certification Number

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

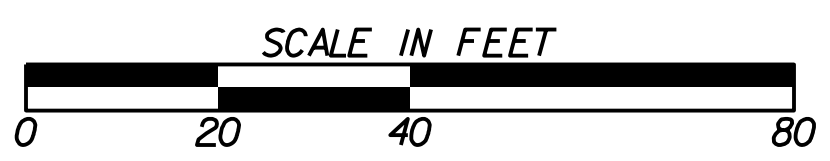


PLANS PREPARED AND SUBMITTED BY:

**AEI**

AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

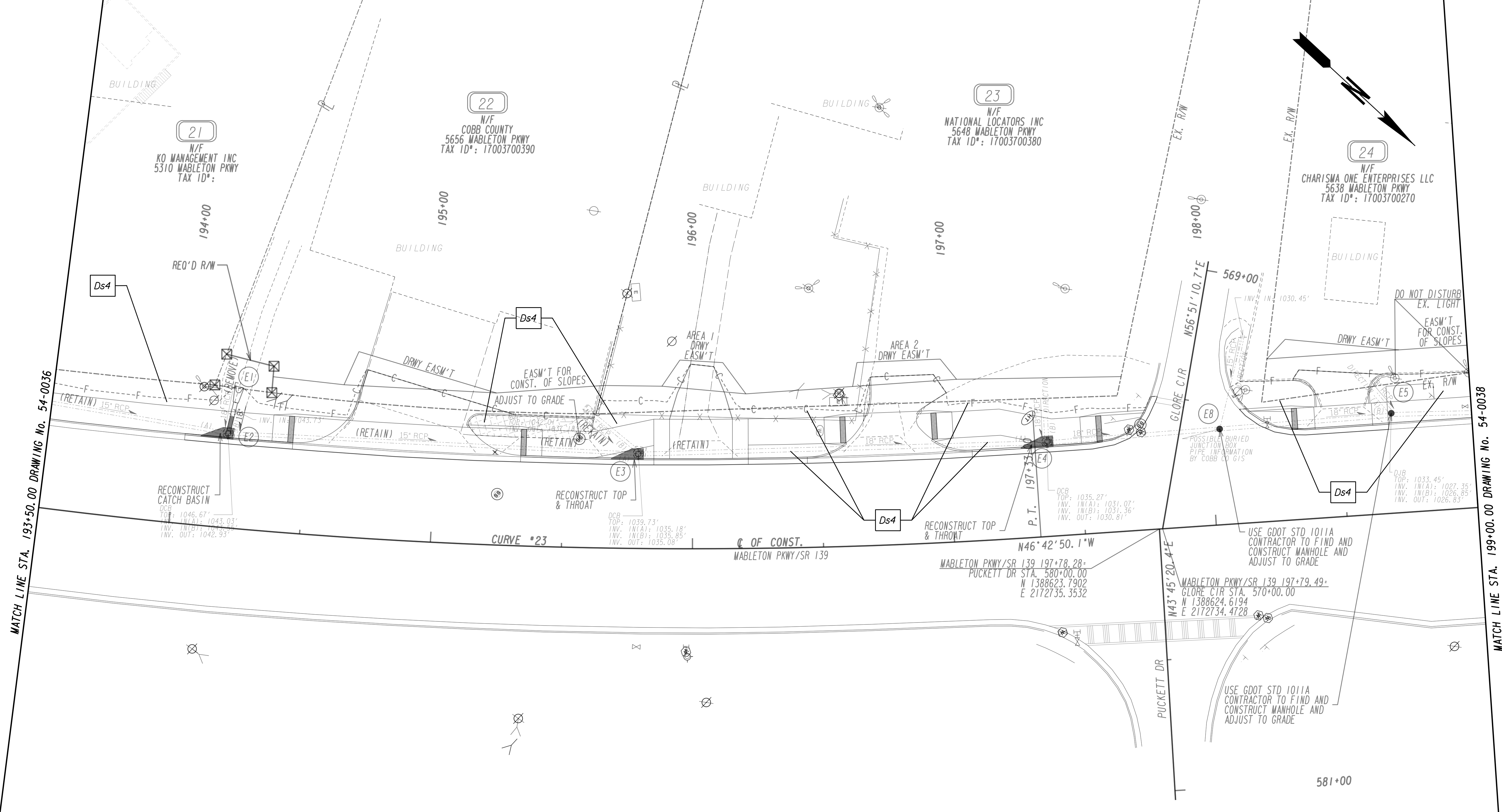
PROFESSIONAL ENGINEERING



REVISION DATES	

**BMP LOCATION DETAILS**  
**STAGE 2**  
 MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No. <b>54-0036</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



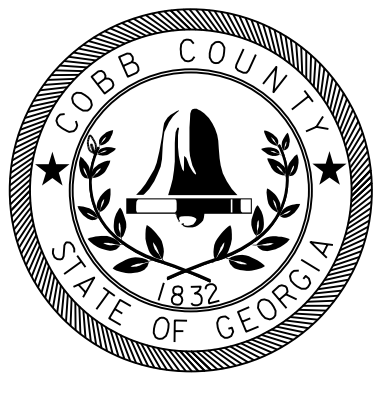
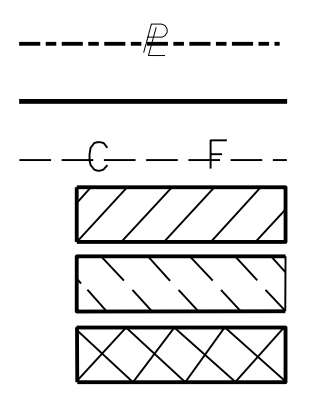
MATCH LINE STA. 193+50.00 DRAWING No. 54-0036

MATCH LINE STA. 199+00.00 DRAWING No. 54-0038

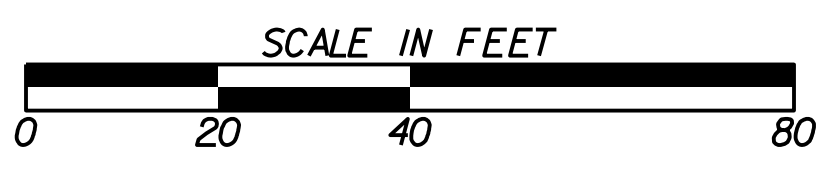


*Rhandi Q. Gallegos*  
 SUBMITTED BY: Rhandi Q. Gallegos, P.E.  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

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

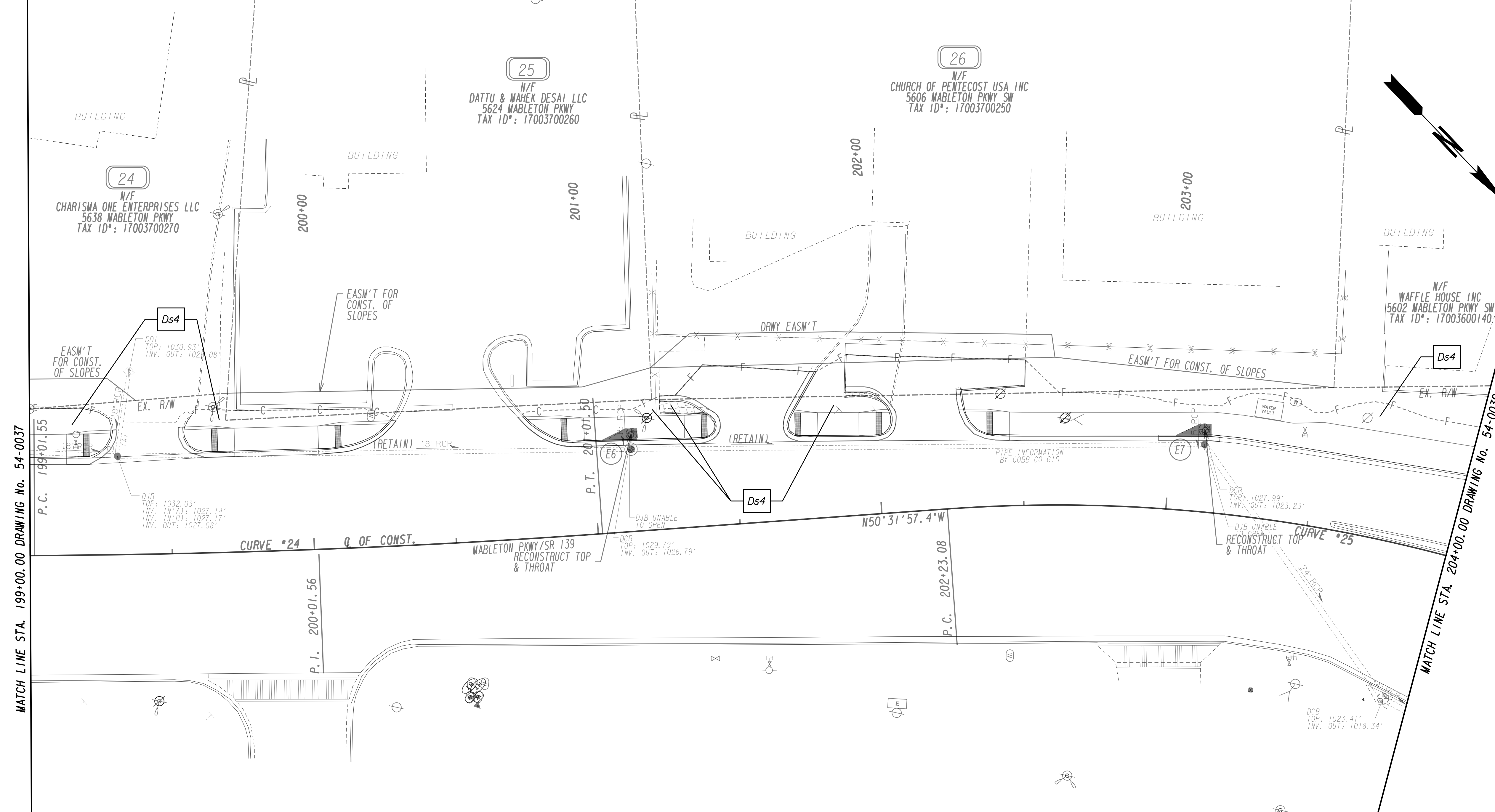


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	54-0037	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



MATCH LINE STA. 199+00.00 DRAWING No. 54-0037

MATCH LINE STA. 204+00.00 DRAWING No. 54-0039

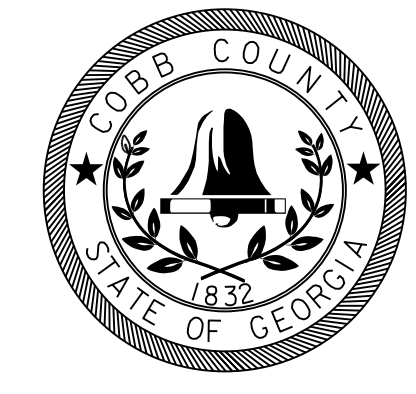
Curve* 24	
PI Sta	200+01.56
N	1388776.8781
E	2172572.8212
DELTA	03°49'07.3" (LT)
D	01'54"35.49"
T	100.01
L	199.95
R	3000.00
E	1.67
e	MATCH EXISTING

Curve* 25	
PI Sta	204+28.12
N	1389048.0607
E	2172243.4686
DELTA	41°52'02.4" (RT)
D	10'41"22.24"
T	205.04
L	391.67
R	536.00
E	37.88
e	MATCH EXISTING

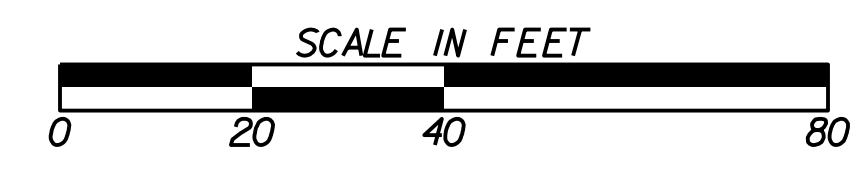


SUBMITTED BY: Rhandi Q. Gallegos, P.E. 5/05/2023  
 0000013885  
 GSICC LEVEL II Certification Number

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



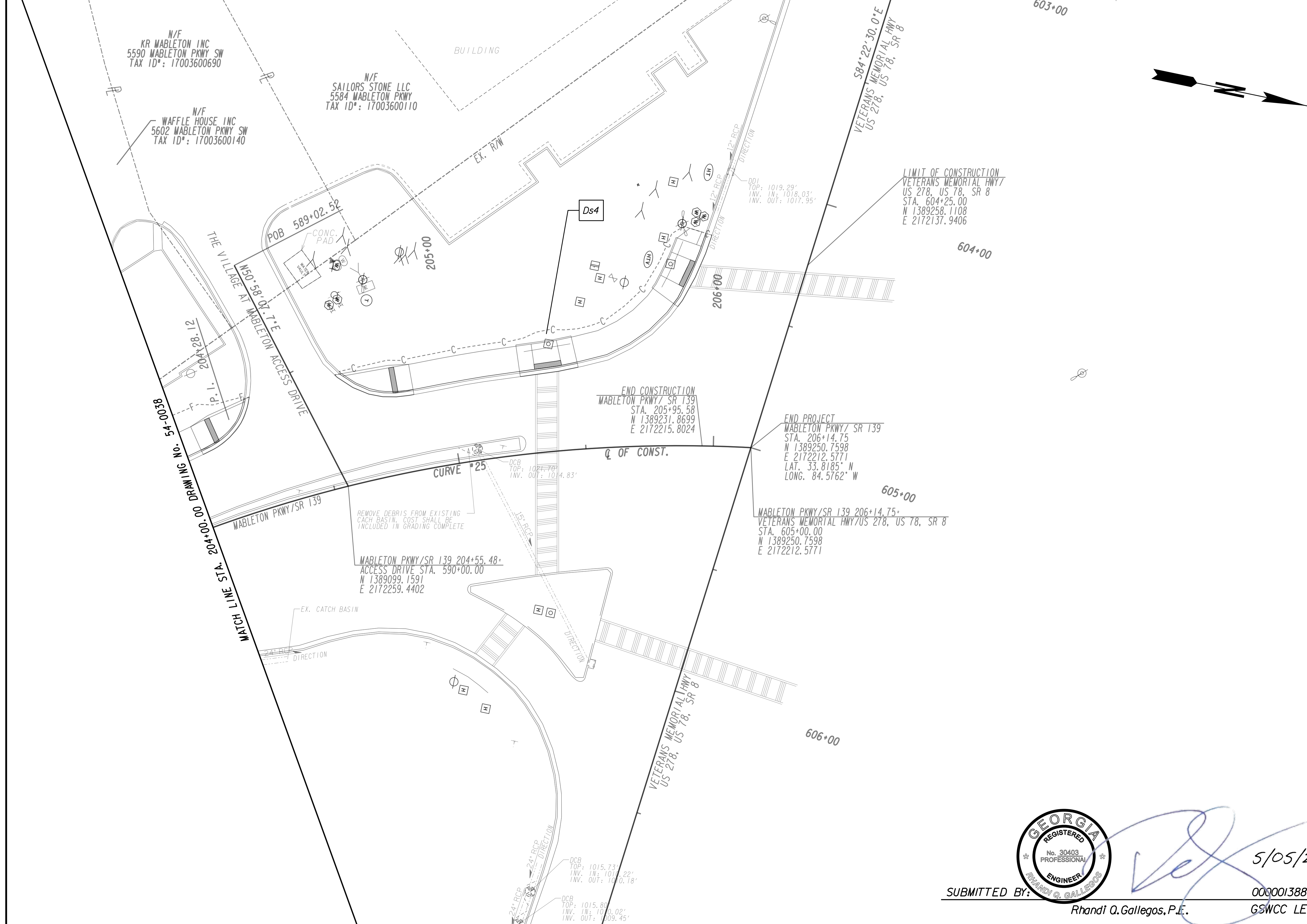
PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT



REVISION DATES	

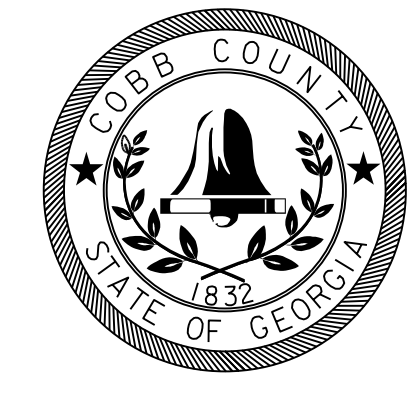
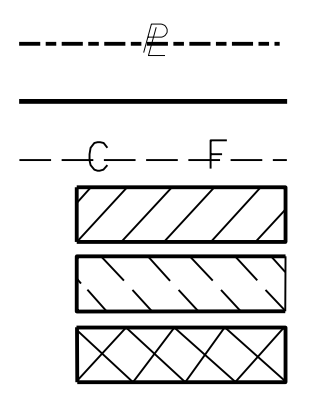
**BMP LOCATION DETAILS**  
**STAGE 2**  
 MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. <b>54-0038</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

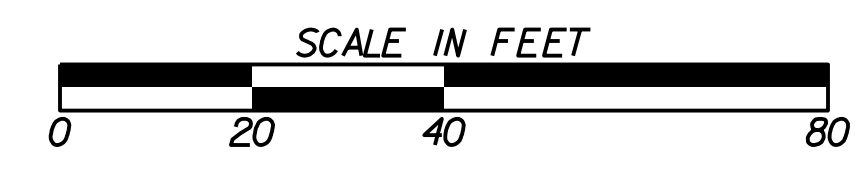


SUBMITTED BY: *Rhandi Q. Gallegos*  
 Rhandi Q. Gallegos, P.E.  
 5/05/2023  
 0000013885  
 GSWCC LEVEL II Certification Number

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

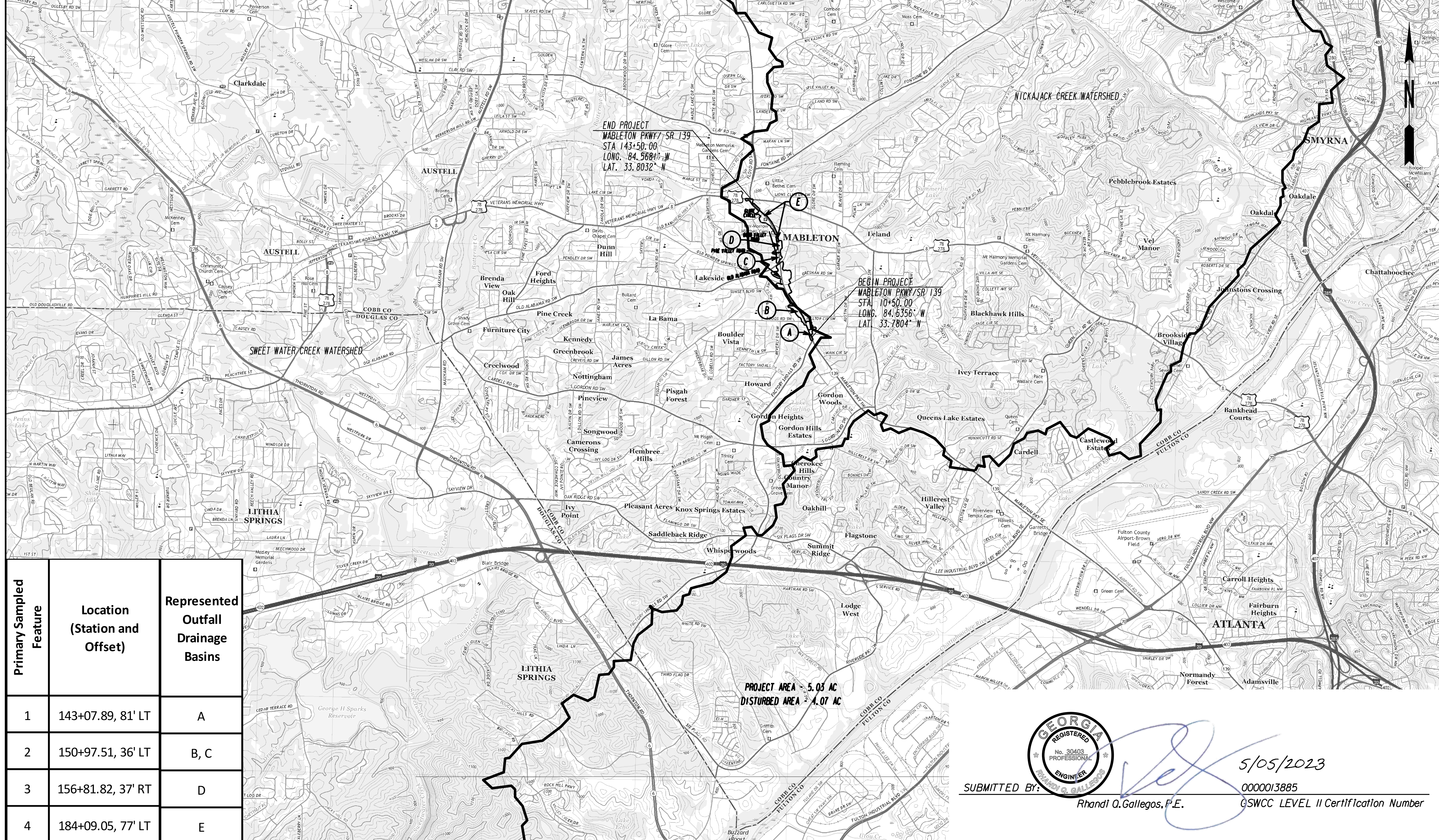


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING



REVISION DATES	

BMP LOCATION DETAILS STAGE 2 MABLETON PKWY TRAIL, PHASE II		
CHECKED:	DATE:	DRAWING No. <b>54-0039</b>
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

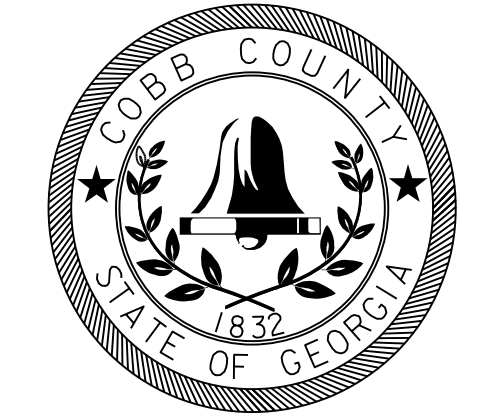


Primary Sampled Feature	Location (Station and Offset)	Represented Outfall Drainage Basins
1	143+07.89, 81' LT	A
2	150+97.51, 36' LT	B, C
3	156+81.82, 37' RT	D
4	184+09.05, 77' LT	E

PROJECT AREA 5.03 AC  
DISTURBED AREA 4.07 AC



SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
Rhandi Q. Gallegos, P.E. 0000013885  
GSWCC LEVEL II Certification Number



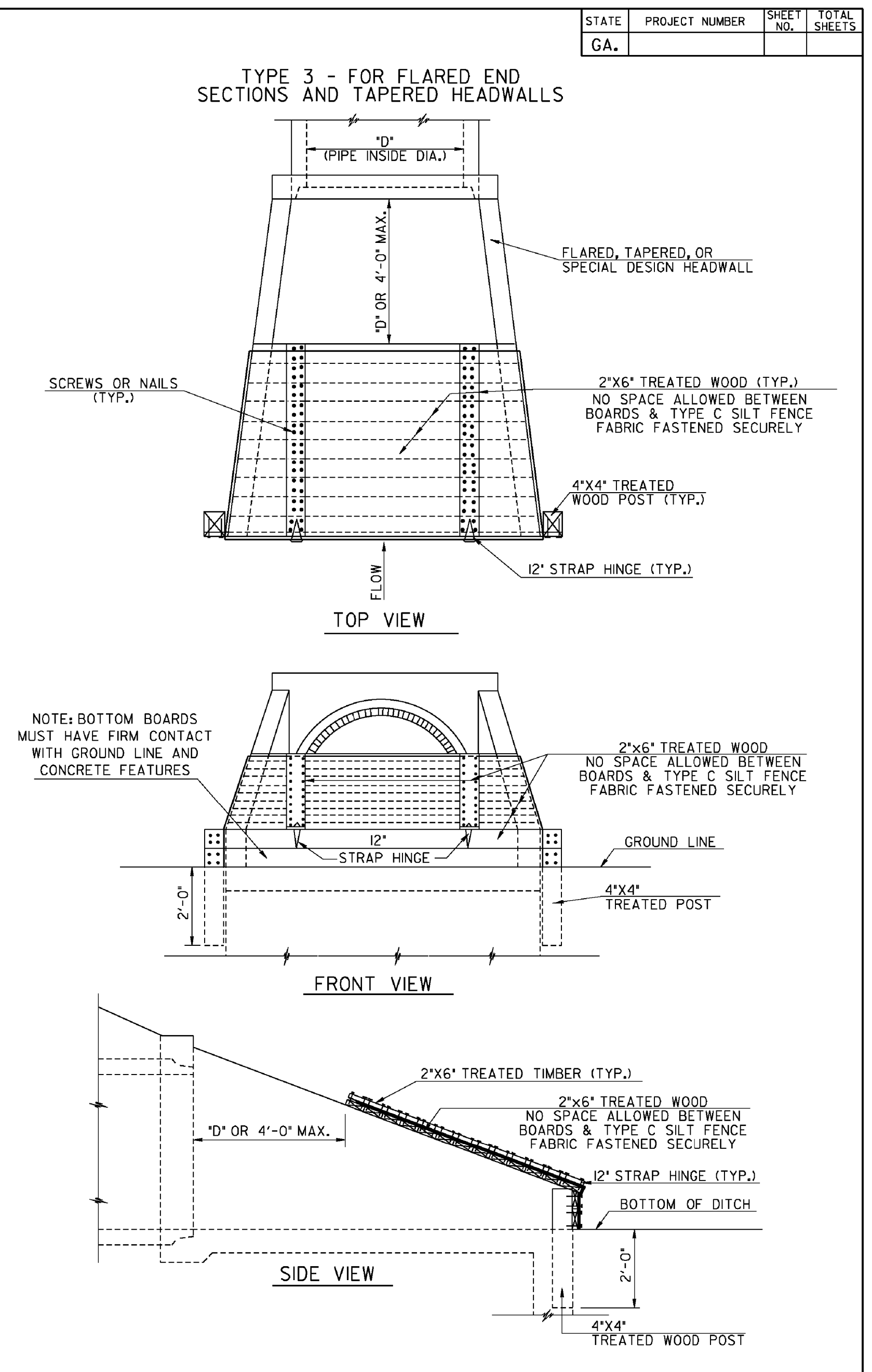
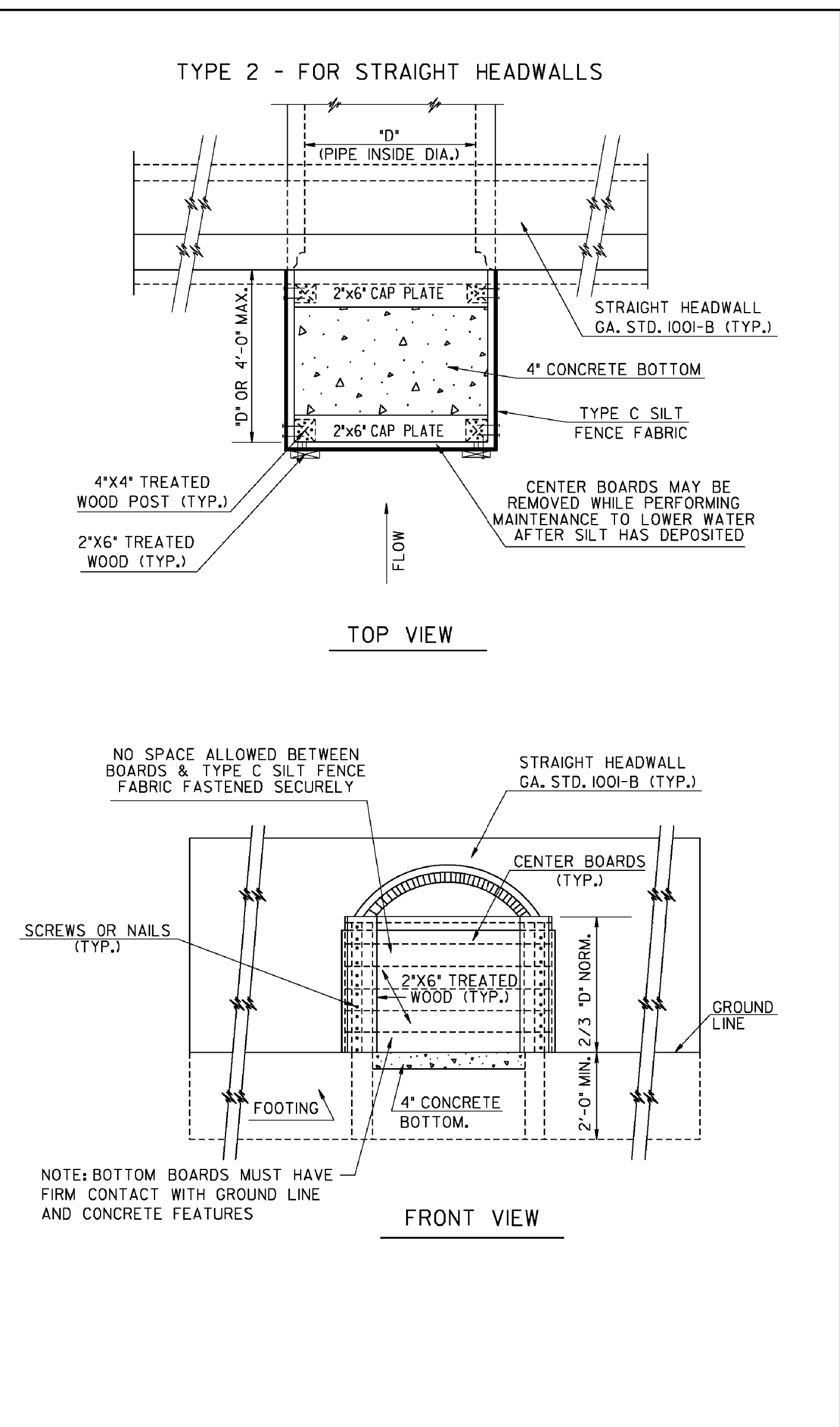
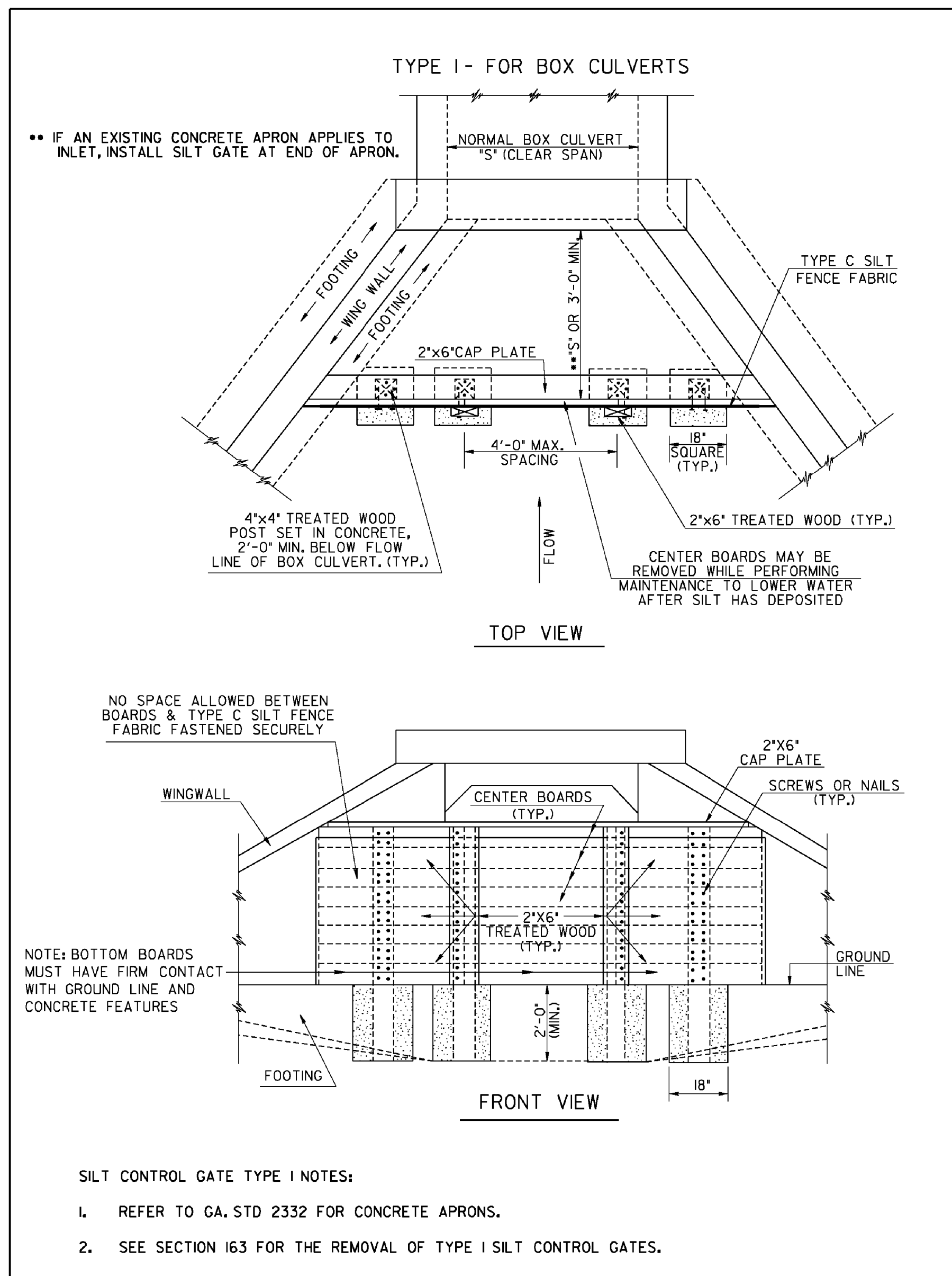
PLANS PREPARED AND SUBMITTED BY: *Rhandi Q. Gallegos*  
 65 Aberdeen Drive Glasgow, KY 42424 (770) 481-1220  
 960 Acworth Landing Drive Acworth, GA 30001 (770) 421-8422  
 2500 Nelson Miller Parkway Louisville, KY 40223 (502) 245-3883  
**AMERICAN ENGINEERS, INC.**  
 DESIGN CONSULTANT PROFESSIONAL ENGINEERING



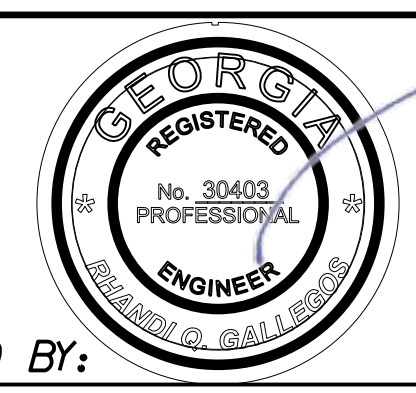
REVISION DATES	
4/2/2019	

WATERSHED MAP SITE MONITORING PLAN			
MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	55-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

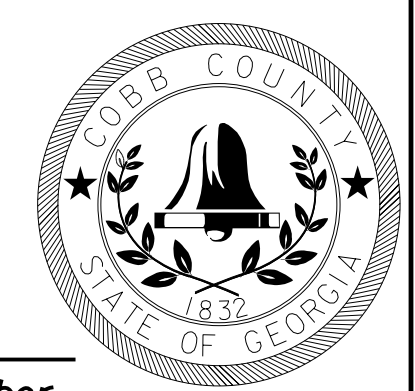


DLE	ADD. FABRIC & ADD. NOTES	4-22-16	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
TPC	ADD. & REV. SILT GATE NOTES	1-9-11	CONSTRUCTION DETAILS		
	REMOVE INLET SEDIMENT TRAP		SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3		
GLO	REV. LUMBER SIZES	3-21-05	NO SCALE		
MGR	REV. SPECIFICATION	10-22-02	REV. & REDR. DEC., 2000		
BY	ADDED PAYMENT NOTE		NUMBER		
	REVISION		D-20		



SUBMITTED BY: *Rhandi Q. Gallegos, P.E.*  
5/05/2023

0000013885  
GSWCC LEVEL II Certification Number



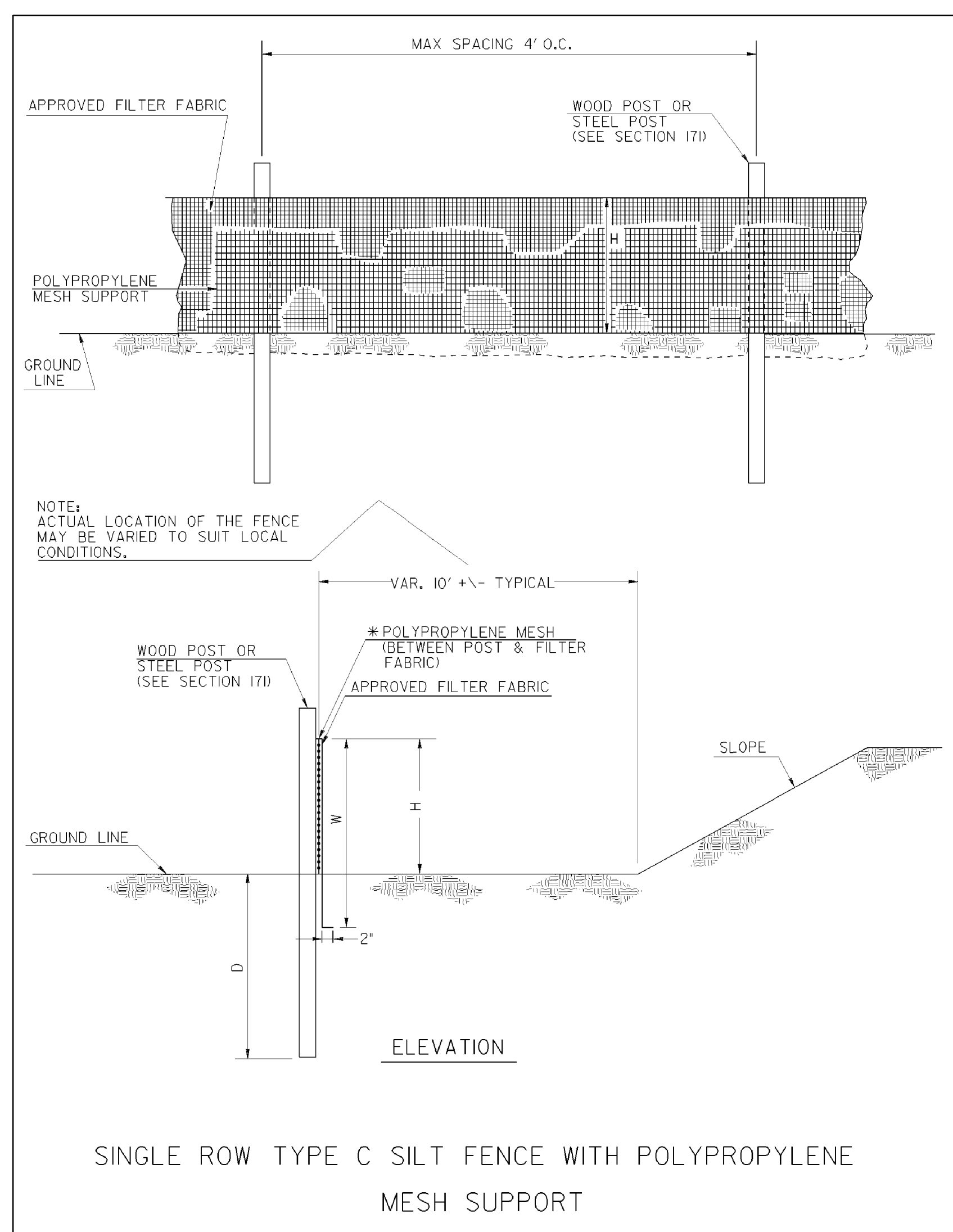
PLANS PREPARED AND SUBMITTED BY: *N.T.S.*  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

*N. T. S.*

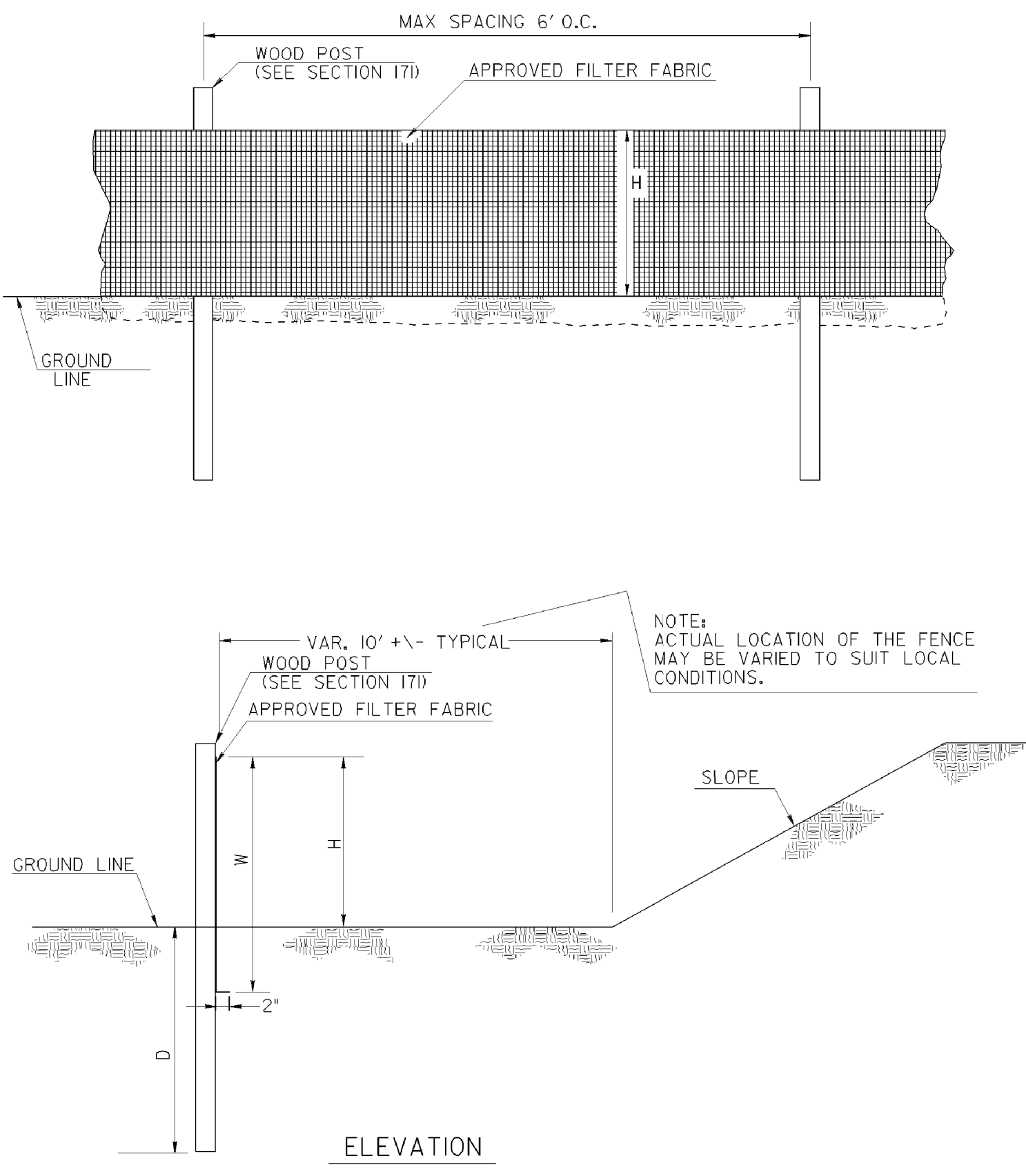
REVISION DATES	

EROSION CONTROL CONSTRUCTION DETAILS MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:		
DRAWING No.			56-0001

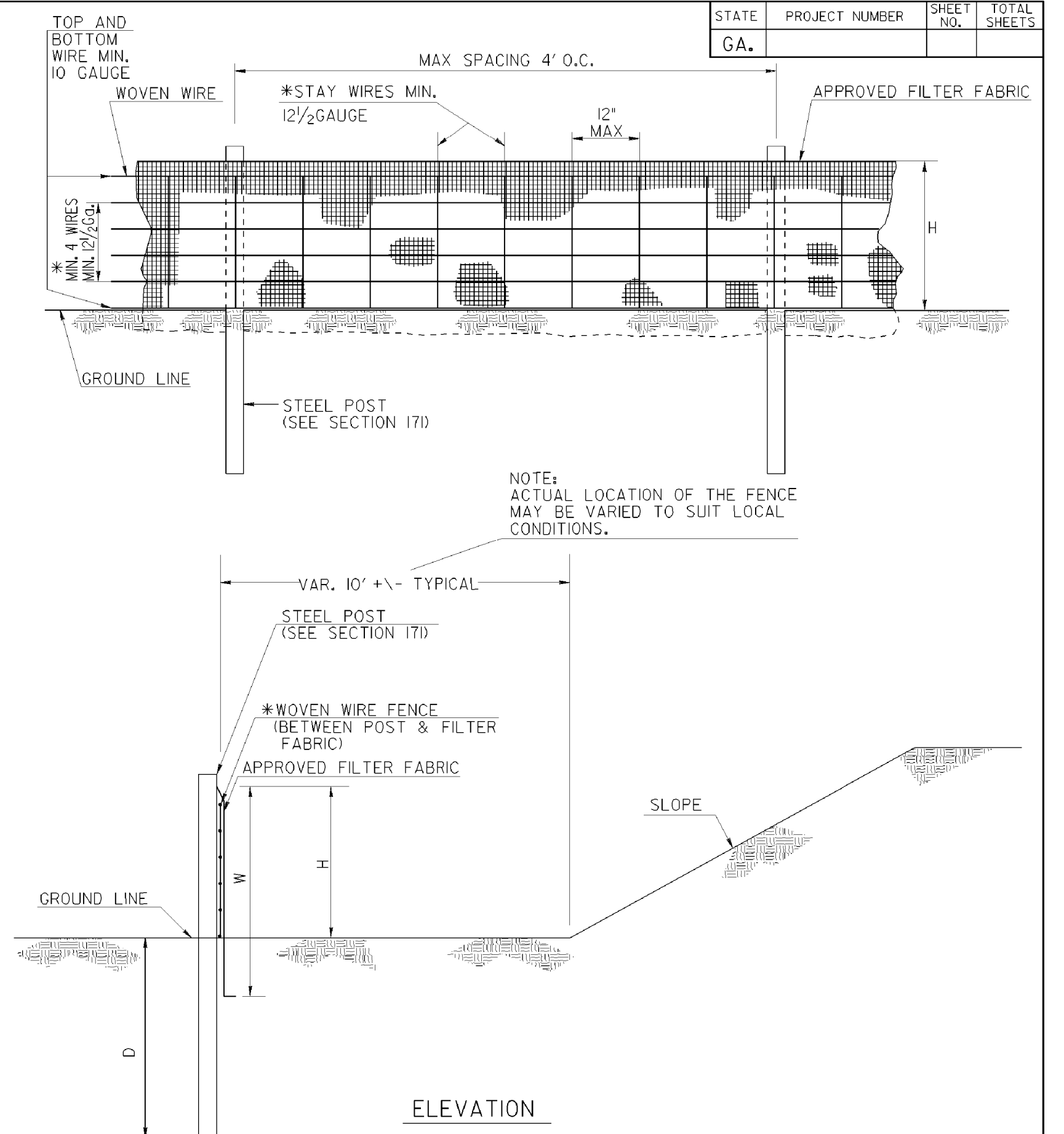




SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE

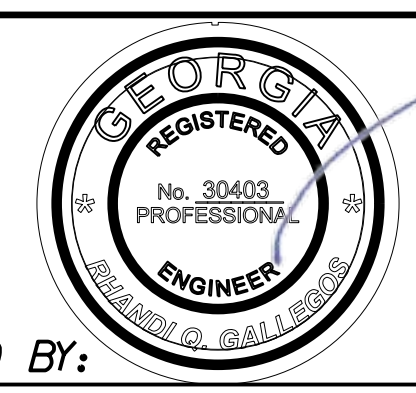


SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

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 OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
  8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

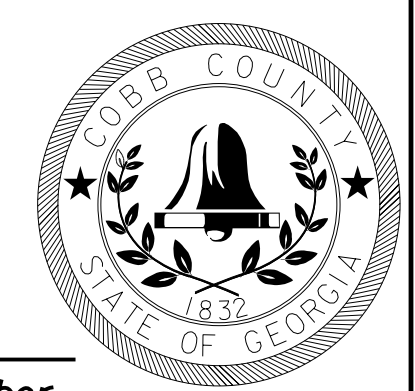
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS	
TEMPORARY SILT FENCE	
NO SCALE	REV. AND REDRAWN JAN. 2011
NUMBER D-24A (SHEET 1 OF 4)	



SUBMITTED BY: Rhandi Q. Gallegos, P.E.

5/05/2023

0000013885  
GSWCC LEVEL II Certification Number



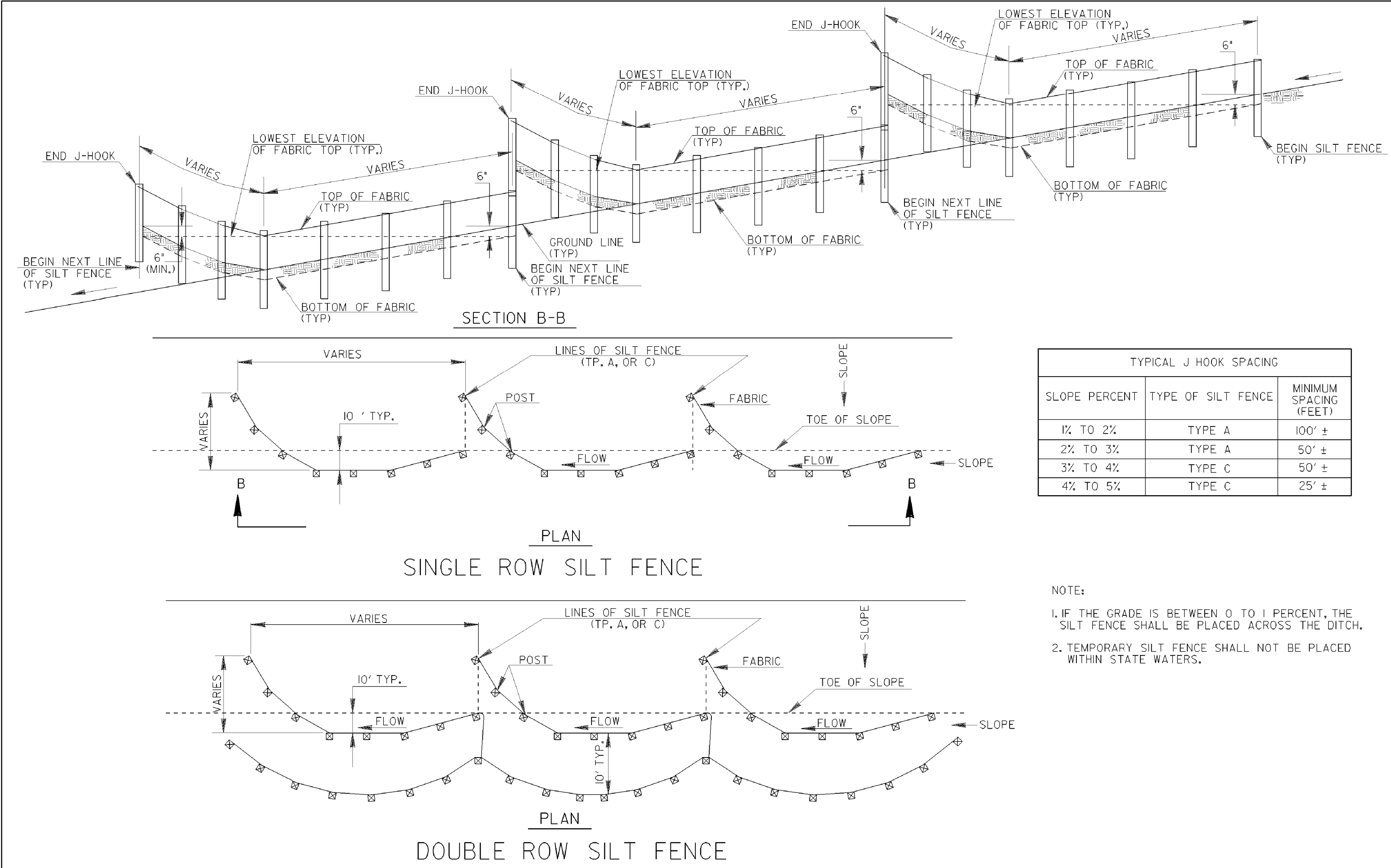
PLANS PREPARED AND SUBMITTED BY: **AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

N. T. S.

REVISION	DATE

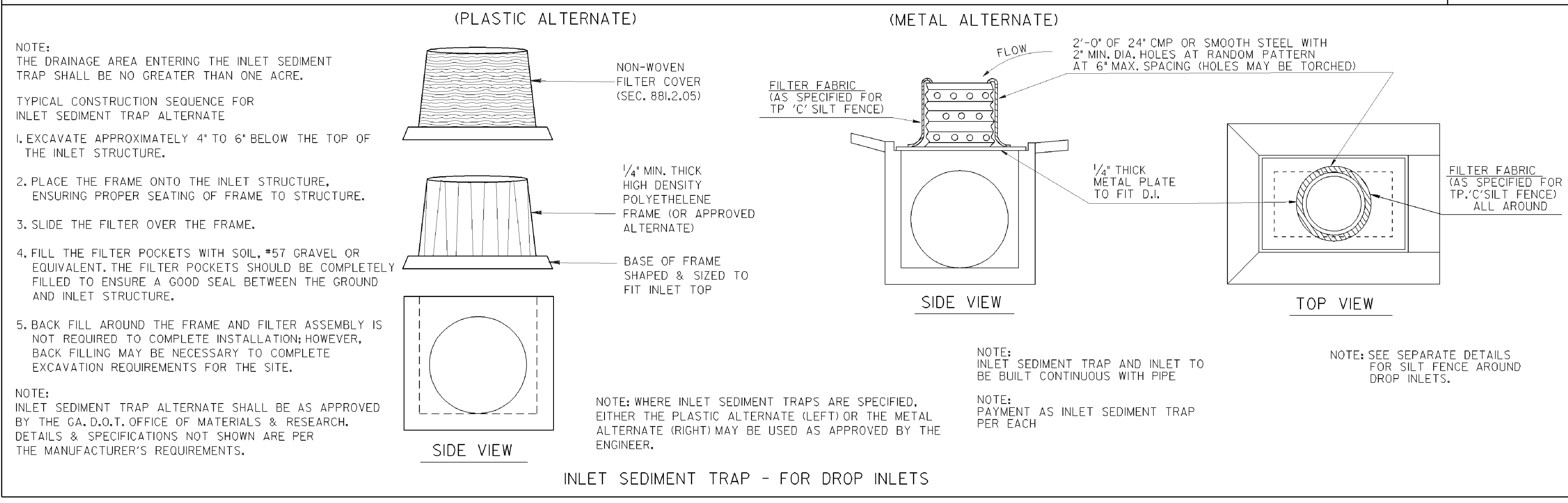
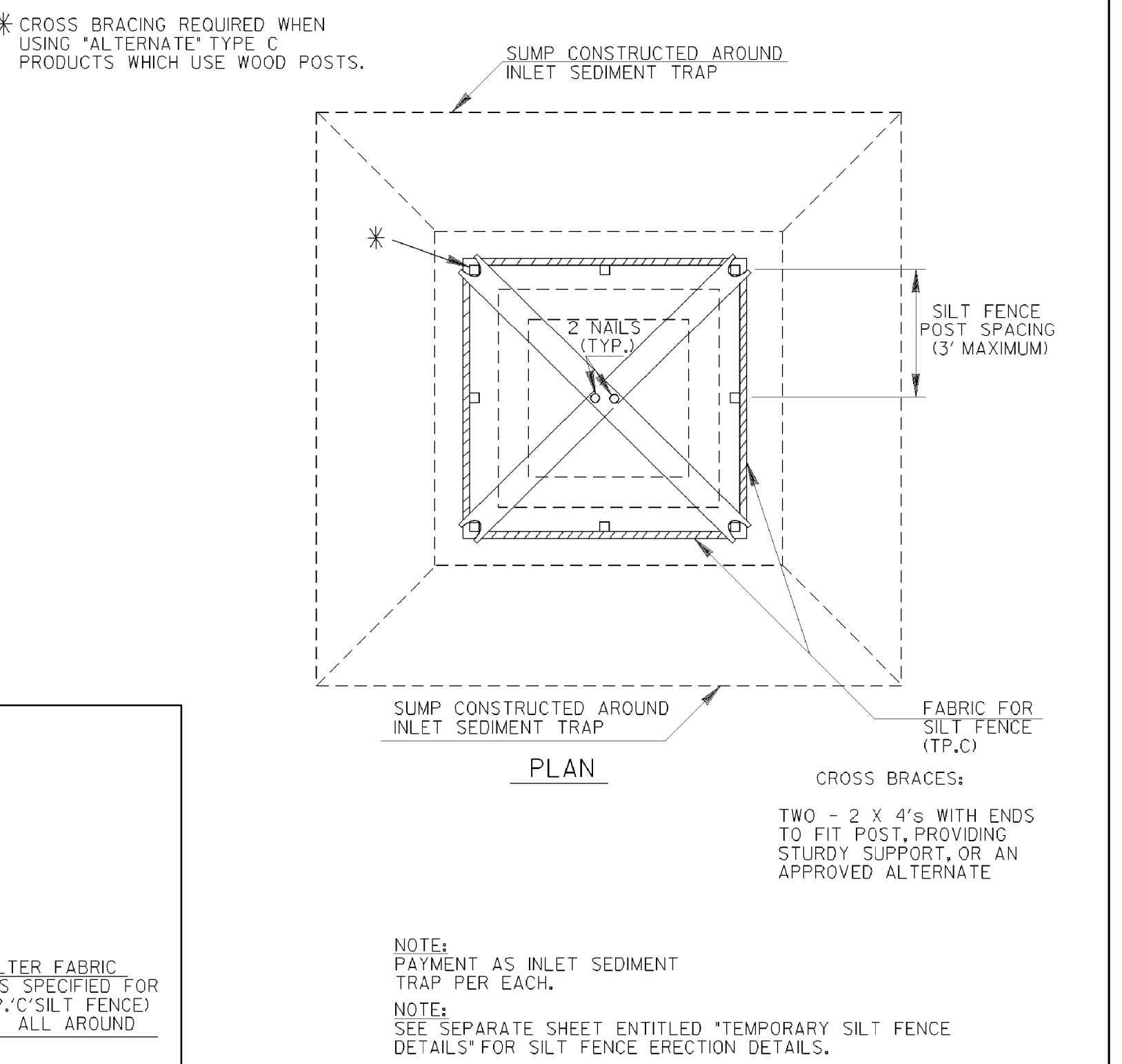
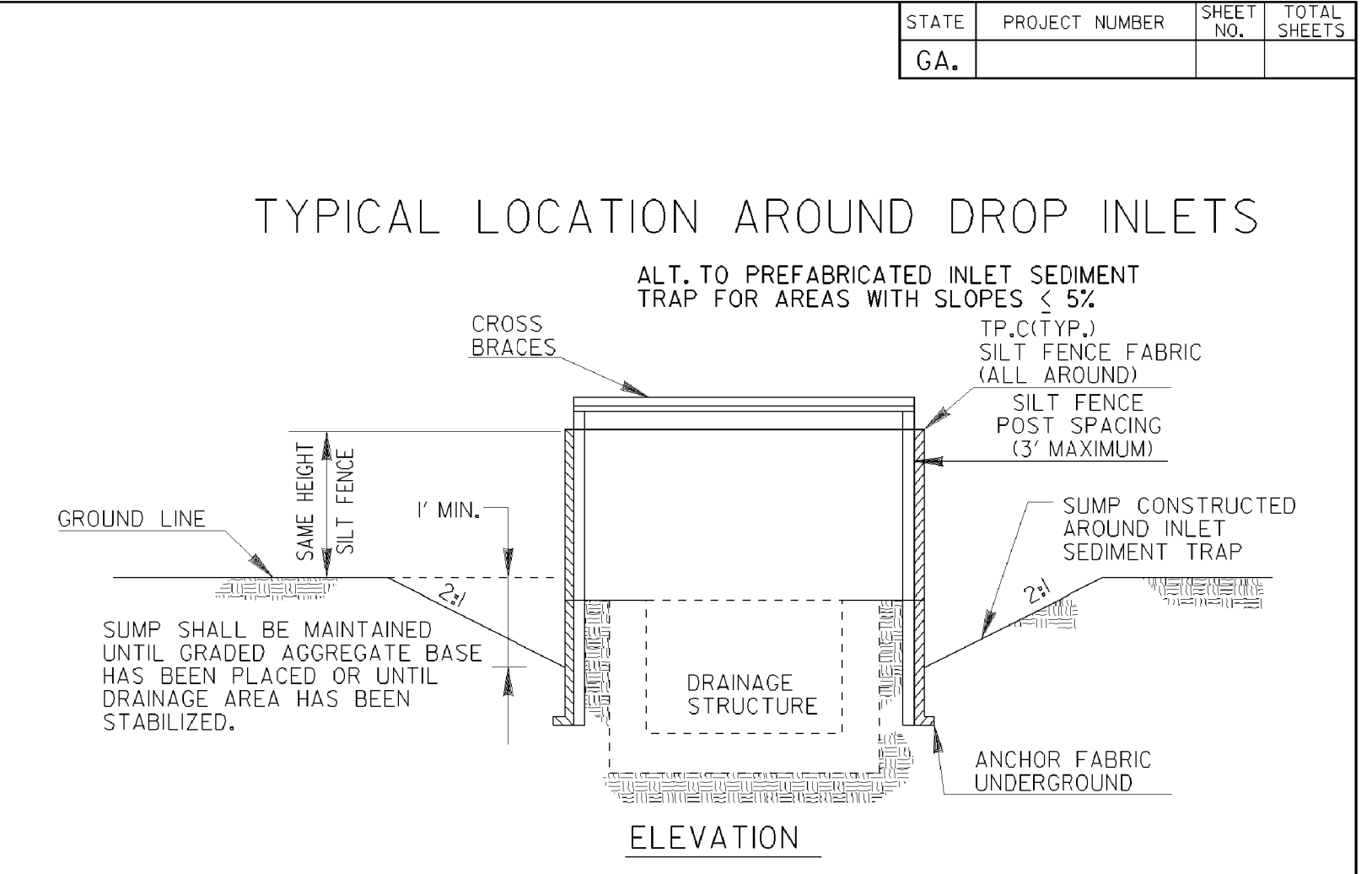
EROSION CONTROL CONSTRUCTION DETAILS  
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



TYPICAL J HOOK SPACING		
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.



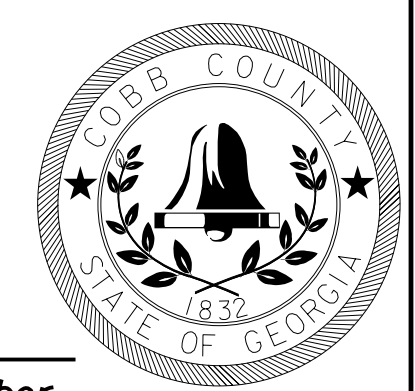
NOTE: THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.  
 TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE  
 1. EXCAVATE APPROXIMATELY 4' TO 6' BELOW THE TOP OF THE INLET STRUCTURE.  
 2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.  
 3. SLIDE THE FILTER OVER THE FRAME.  
 4. 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.  
 5. 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: PAYMENT AS INLET SEDIMENT TRAP PER EACH  
 NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

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



*Rhandi Q. Gallegos*  
 5/05/2023  
 000013885  
 GSWCC LEVEL II Certification Number

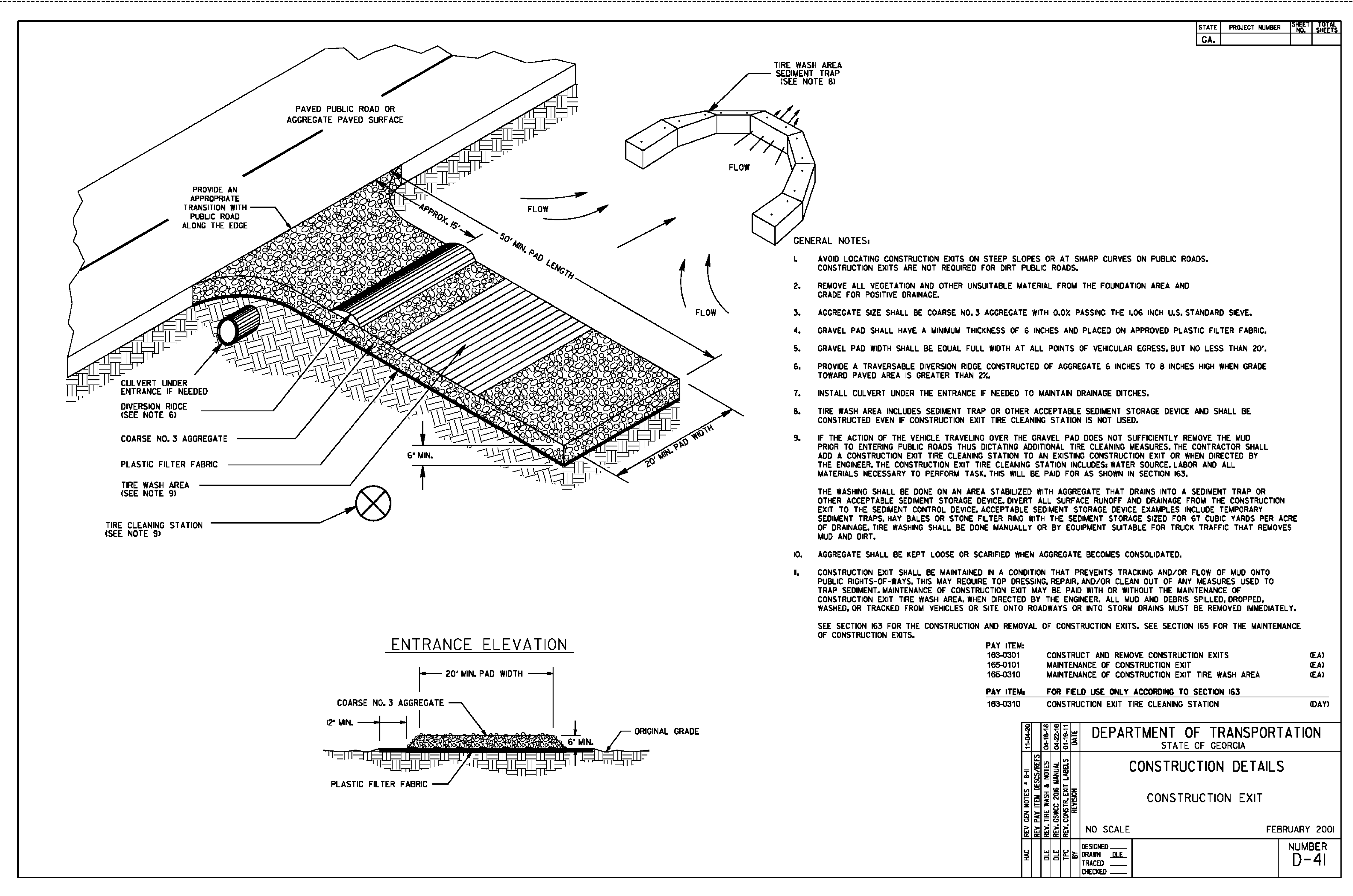


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 0 65 Aberdeen Drive  
 Glasgow, KY 42424  
 (270) 681-1200  
 0 2500 Nelson Miller Parkway  
 Louisville, KY 40223  
 (502) 345-3813  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

N. T. S.

REVISION DATES	

EROSION CONTROL CONSTRUCTION DETAILS MABLETON PKWY TRAIL, PHASE II			
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:		
DRAWING No.			56-0003



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

- GENERAL NOTES:**
1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 106 INCH U.S. STANDARD SIEVE.
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
  5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
  9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER, THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.
  10. THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
  11. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
  12. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA, WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

**PAY ITEM:**

163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)

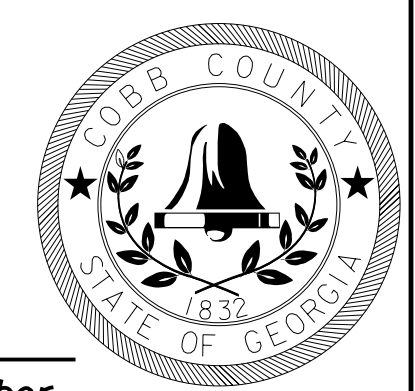
**PAY ITEM:** FOR FIELD USE ONLY ACCORDING TO SECTION 163

163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)
----------	---	-------

11-04-20	REV. GEN. NOTES & B-I	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA  <b>CONSTRUCTION DETAILS</b>  CONSTRUCTION EXIT  NO SCALE FEBRUARY 2001  NUMBER <b>D-41</b>
04-16-16	REV. PAY ITEM DESCS/REFS	DATE	
04-22-16	REV. TIRE WASH & NOTES	DATE	
01-18-11	REV. GSWCC 2006 MANUAL	DATE	
01-18-11	REV. CONSTR. EXIT LABELS	DATE	
DESIGNED	BY		
DRAWN	DLE		
TRACED			
CHECKED			



SUBMITTED BY: *Rhandi O. Gallegos* 5/05/2023  
 0000013885  
 Rhandi O. Gallegos, P.E. GSWCC LEVEL II Certification Number



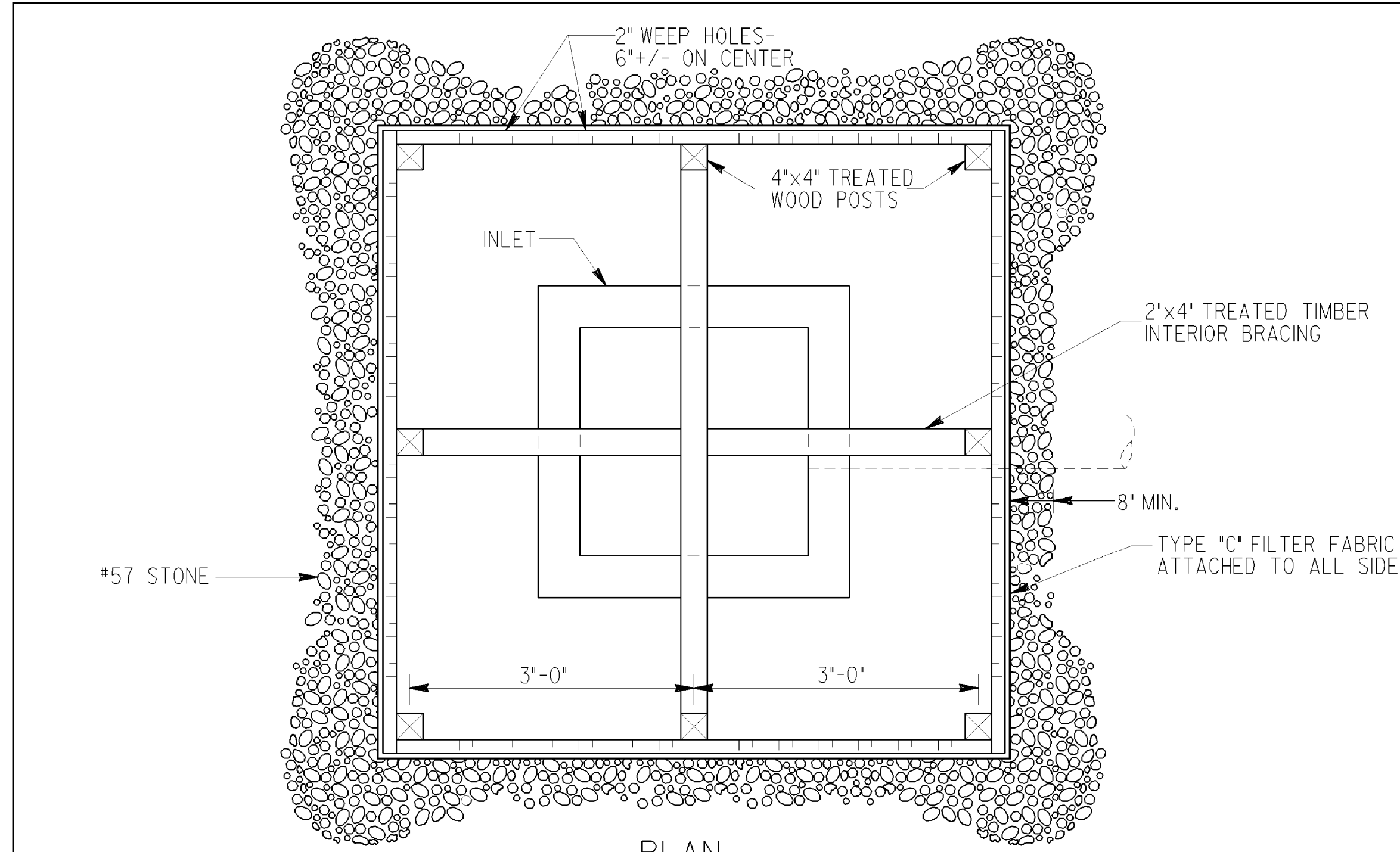
PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
 65 Aberdeen Drive, Glasgow, KY 42044  
 560 Acworth Landing Drive, Acworth, GA 30001  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
**AMERICAN ENGINEERS, INC.**  
 PROFESSIONAL ENGINEERING

N. T. S.

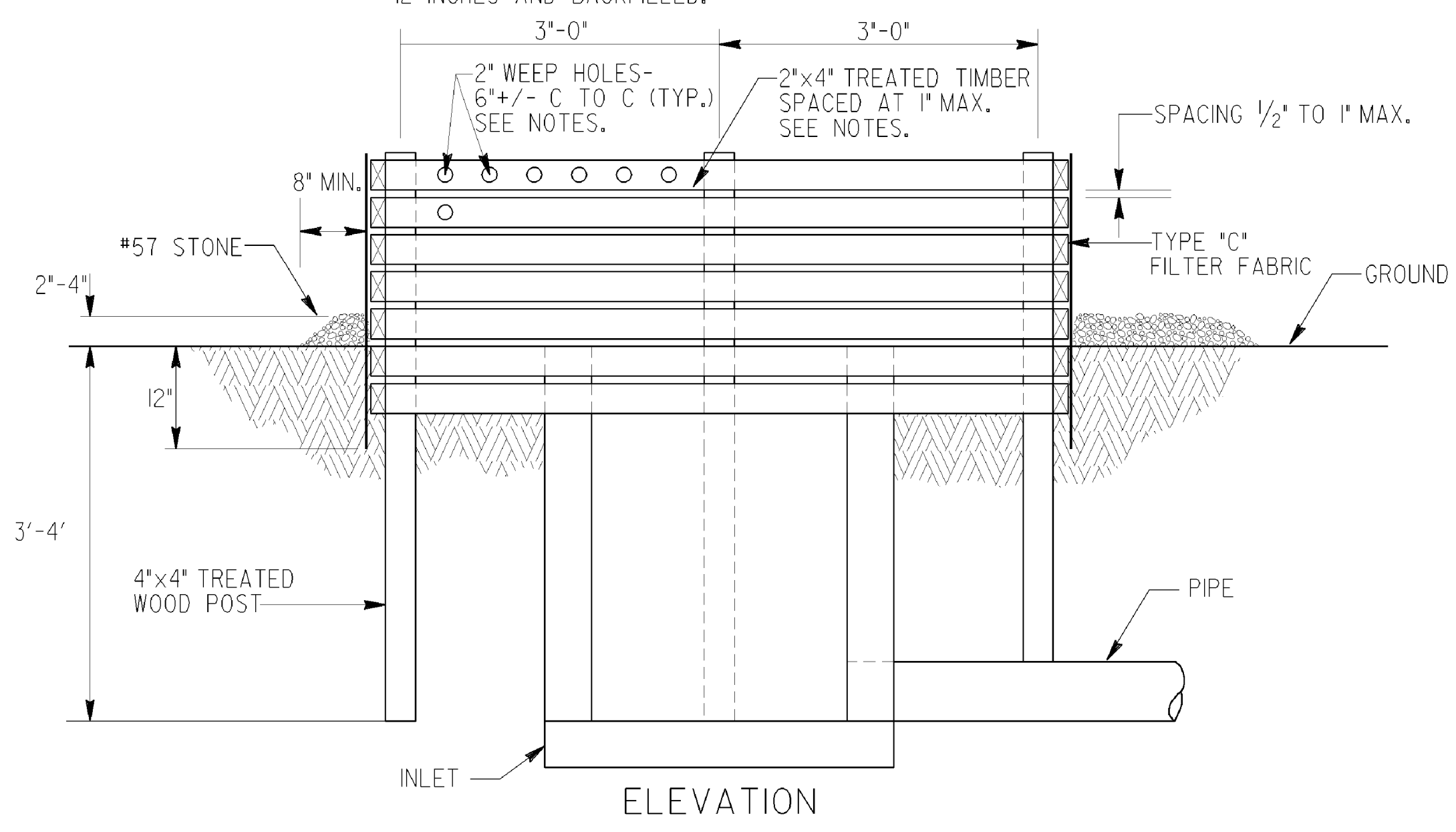
**REVISION DATES**


**EROSION CONTROL CONSTRUCTION DETAILS**  
 MABLETON PKWY TRAIL, PHASE II

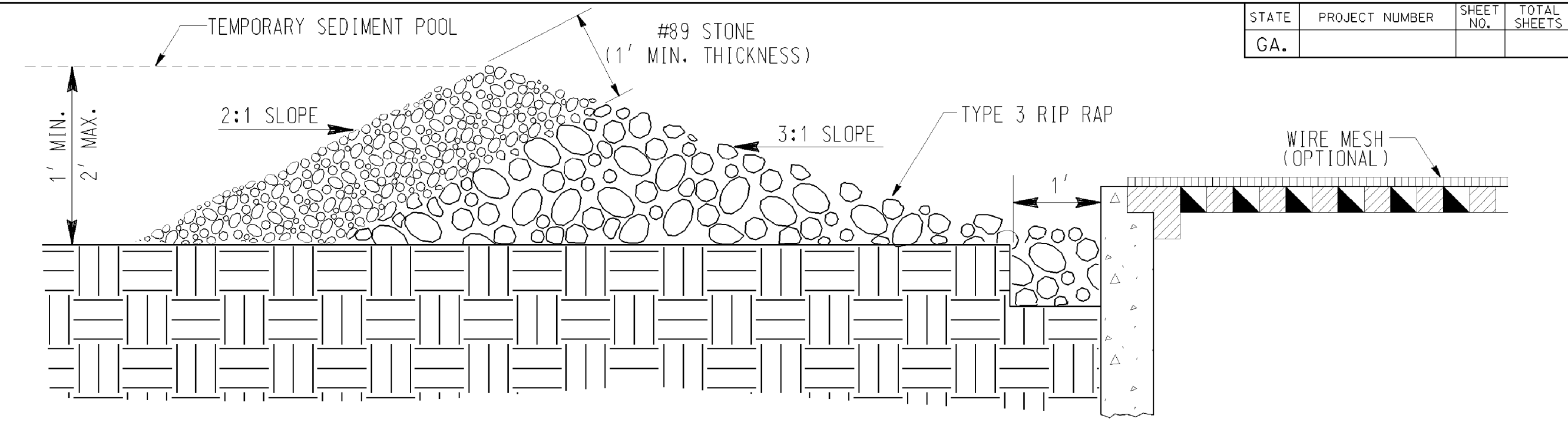
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	



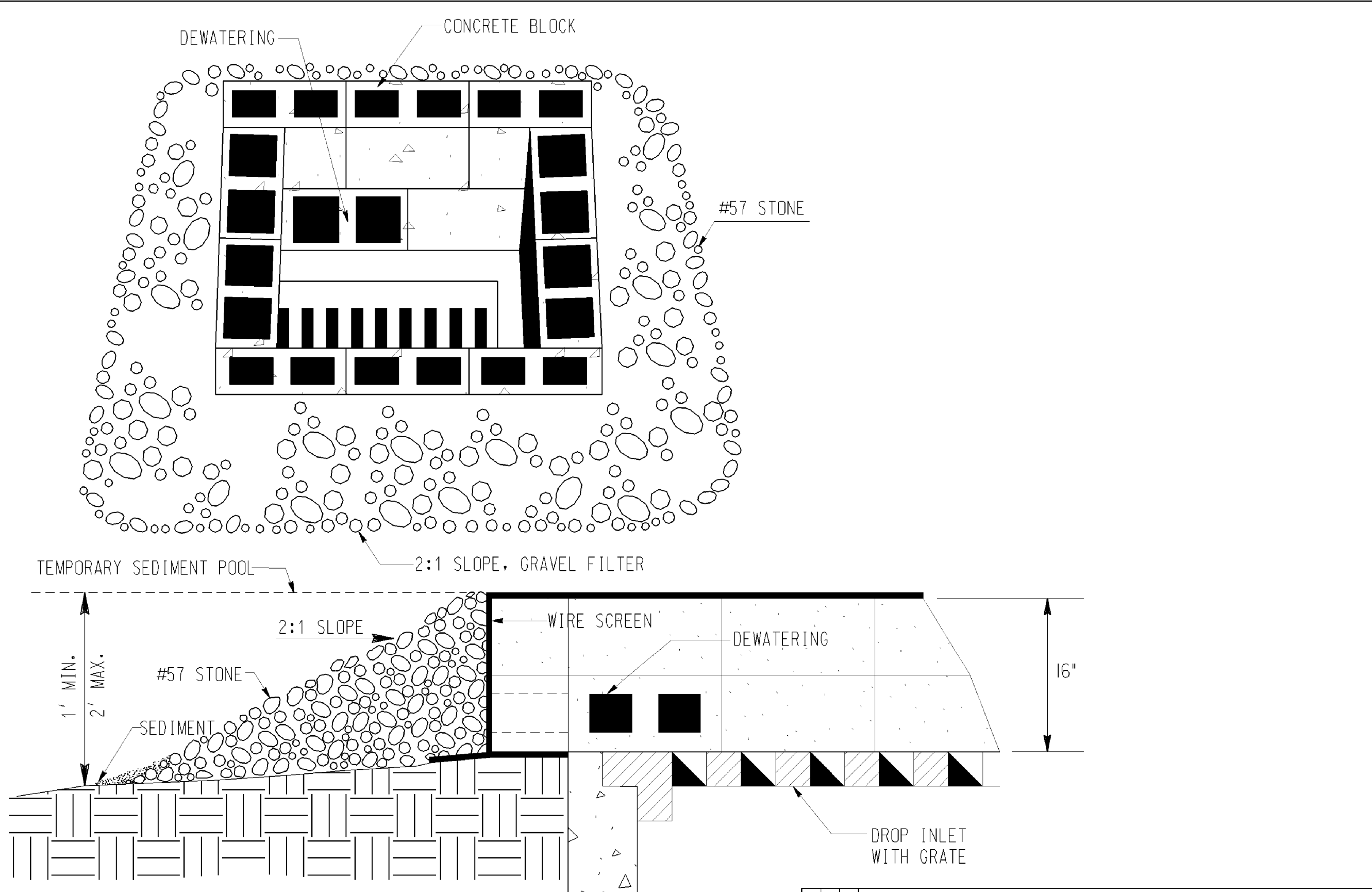
NOTES:  
 BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1' APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.  
 GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.



BAFFLE BOX (Sd2-B)



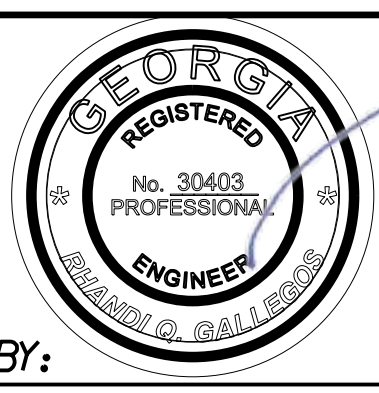
GRAVEL DROP INLET PROTECTION (GRAVEL DONUT) Sd2-G



BLOCK & GRAVEL DROP INLET PROTECTION (Sd2-Bg)

BASIS OF PAYMENT:  
 CONSTRUCT AND REMOVE INLET SEDIMENT TRAP \_\_\_\_\_ EACH

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAIL INLET SEDIMENT TRAP BAFFLE BOX Sd2-B BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg GRAVEL DROP INLET PROTECTION Sd2-G NO SCALE MAY 2008
BY	NUMBER D-42



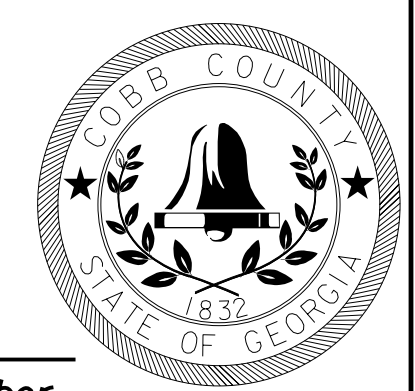
SUBMITTED BY:

Rhandi O. Gallegos, P.E.

5/05/2023

0000013885

GSWCC LEVEL II Certification Number



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT  
 PROFESSIONAL ENGINEERING

N. T. S.

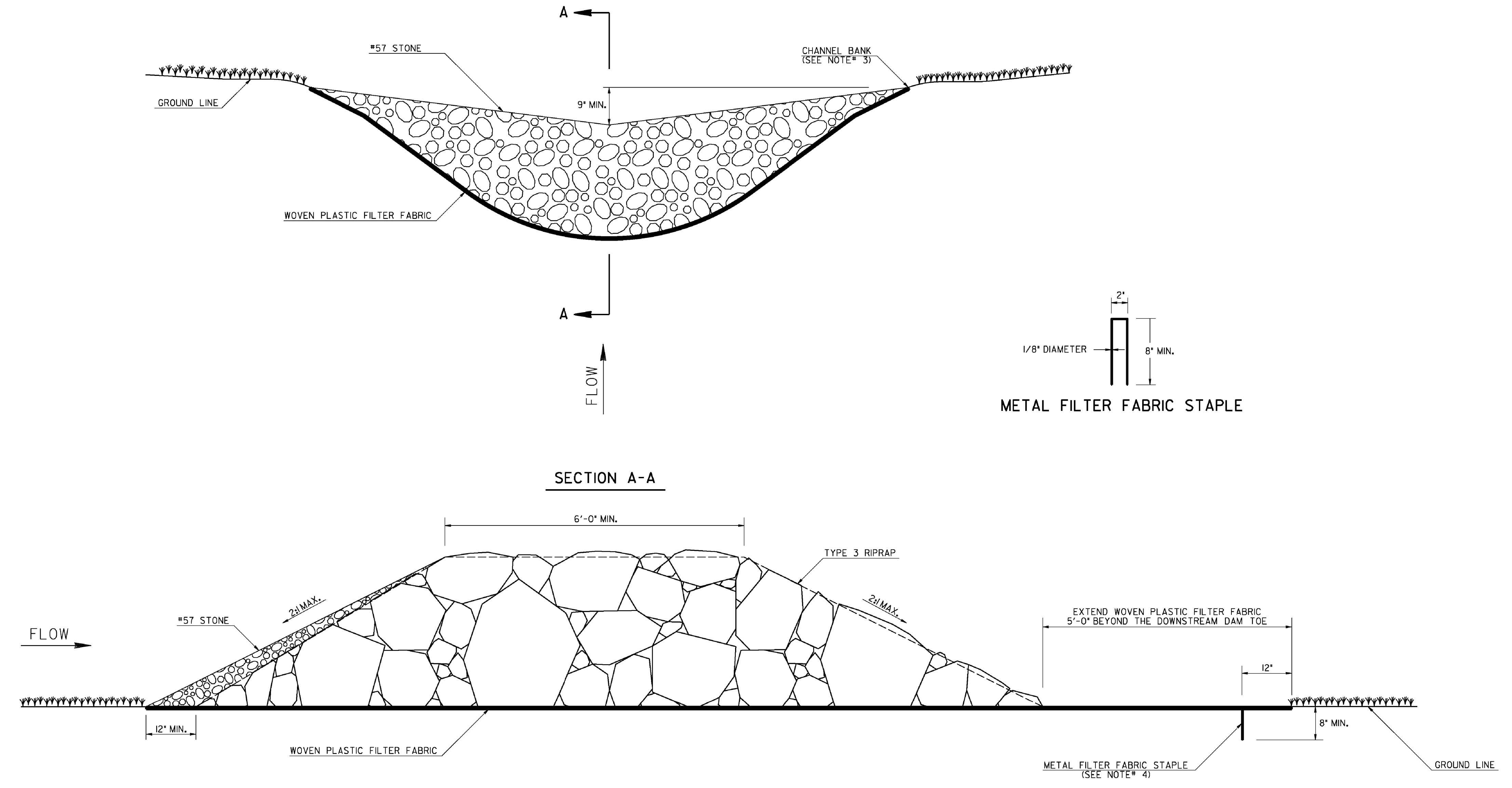
REVISION DATES

EROSION CONTROL CONSTRUCTION DETAILS  
 MABLETON PKWY TRAIL, PHASE 11

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

DRAWING No.  
 56-0005

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



**GENERAL NOTES:**

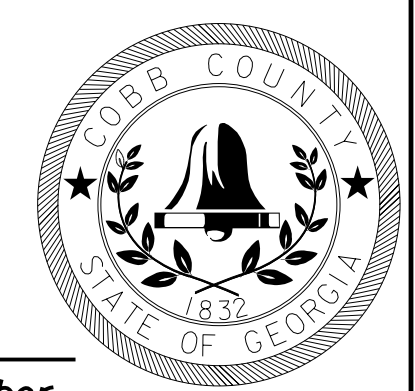
1. THE MAXIMUM DRAINAGE AREA TO A ROCK FILTER DAM SHALL BE 50-ACRES.
2. ROCK FILTER DAMS SHALL NOT BE INSTALLED IN STATE WATERS.
3. THE ROCK FILTER DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR ADVERSELY IMPACT UPSTREAM PROPERTY OR STATE WATERS WITH BACKWATER. THE CENTER OF THE ROCK FILTER DAM SHOULD BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE ROCK FILTER DAM AT THE CHANNEL BANKS.
4. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE ROCK FILTER DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

**PAY ITEMS:**  
 163-0541 CONSTRUCT AND REMOVE ROCK FILTER DAM (EA)  
 165-0110 MAINTENANCE OF ROCK FILTER DAM (EA)

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
CONSTRUCTION DETAILS ROCK FILTER DAM	
NO SCALE	4-22-2016
BY	NUMBER D-43



*Rhandi O. Gallegos*  
 5/05/2023



PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

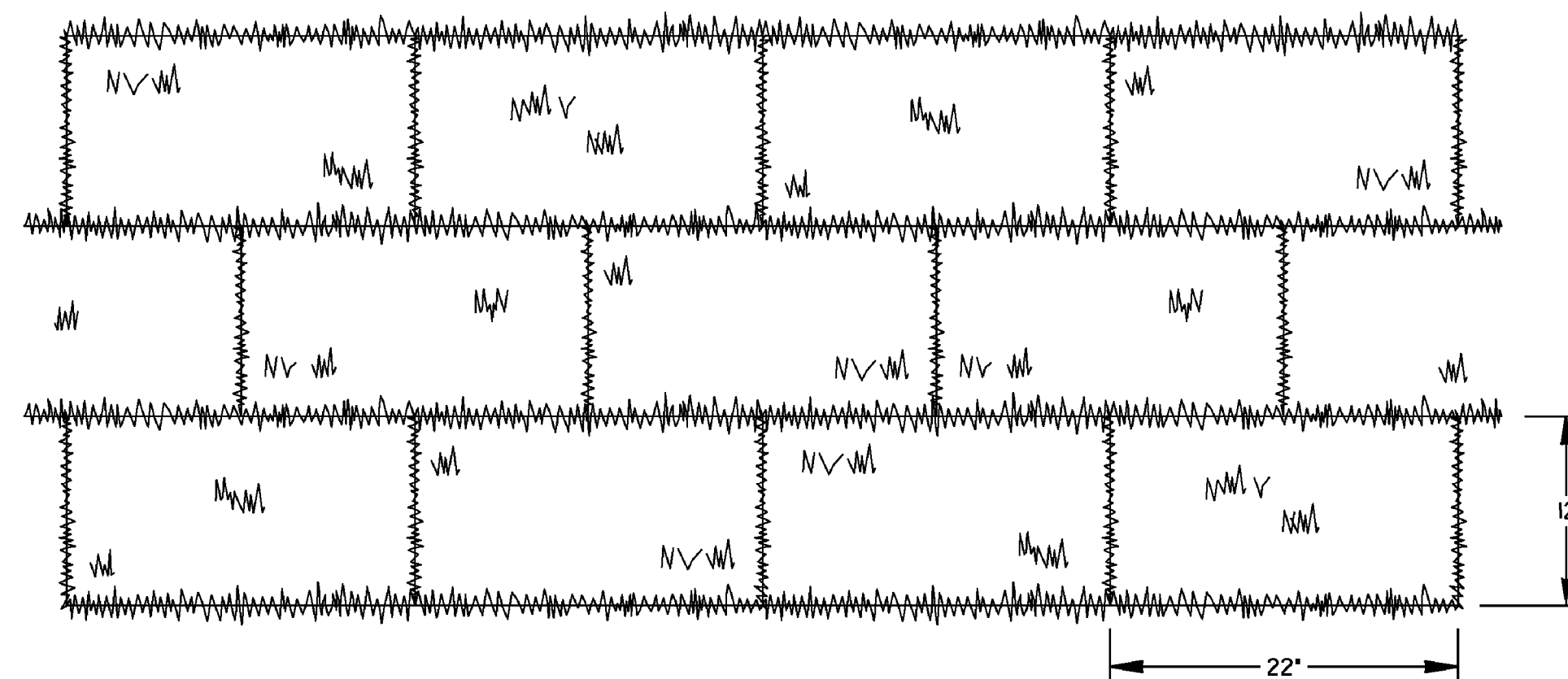
N. T. S.

REVISION	DATE

<b>EROSION CONTROL CONSTRUCTION DETAILS</b>			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	CHECKED:	DATE:
BACKCHECKED:	DATE:	CORRECTED:	DATE:
VERIFIED:	DATE:	VERIFIED:	DATE:
DRAWING No.			56-0006

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.

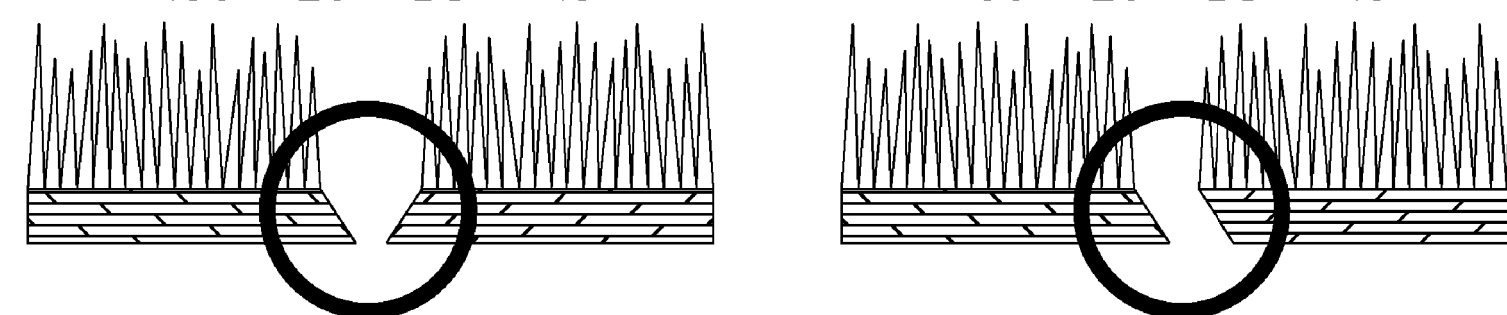
**GENERAL NOTES:**

- 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 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2'-3" AS NECESSARY.

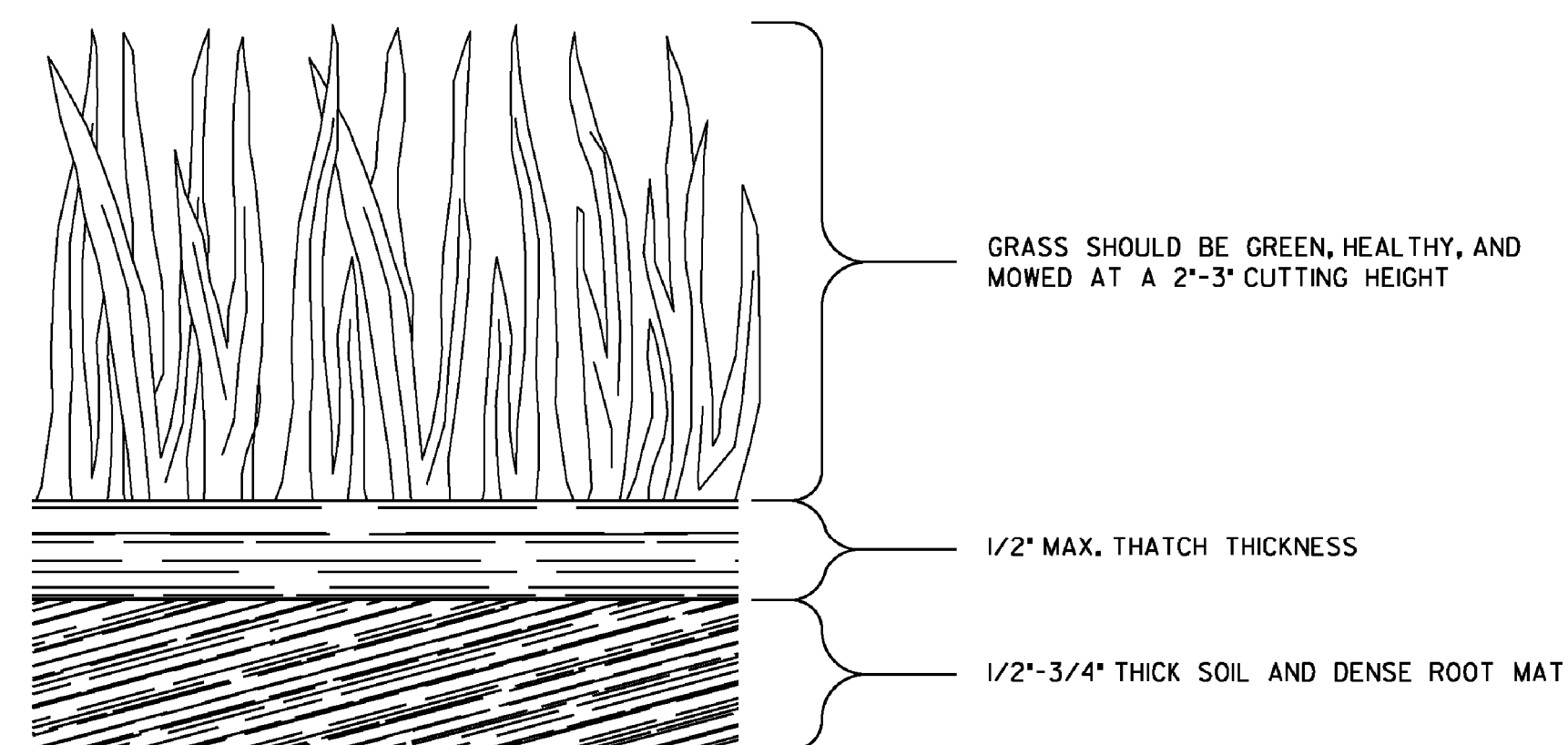
**ABUTTING SOD**

INCORRECT BUTTING

CORRECT BUTTING



**SOD APPEARANCE**



PAY ITEM:  
700-9300 SOD (SY)

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAILS SOD INSTALLATION
BY	NO SCALE 4-22-2016 NUMBER D-54



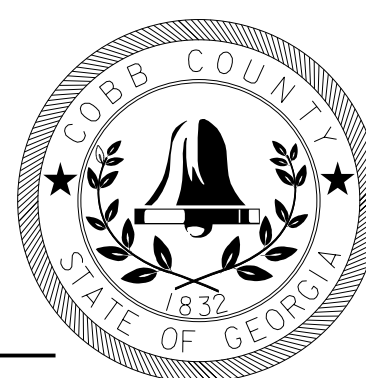
SUBMITTED BY:

Rhandi O. Gallegos, P.E.

0000013885

GSWCC LEVEL II Certification Number

5/05/2023



PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
DESIGN CONSULTANT

65 Aberdeen Drive  
Gosport, KY 42044  
606-651-1220

560 Acworth Landing Drive  
Acworth, GA 30011  
770-421-8422

2500 Nelson Miller Parkway  
Louisville, KY 40223  
502-245-3813

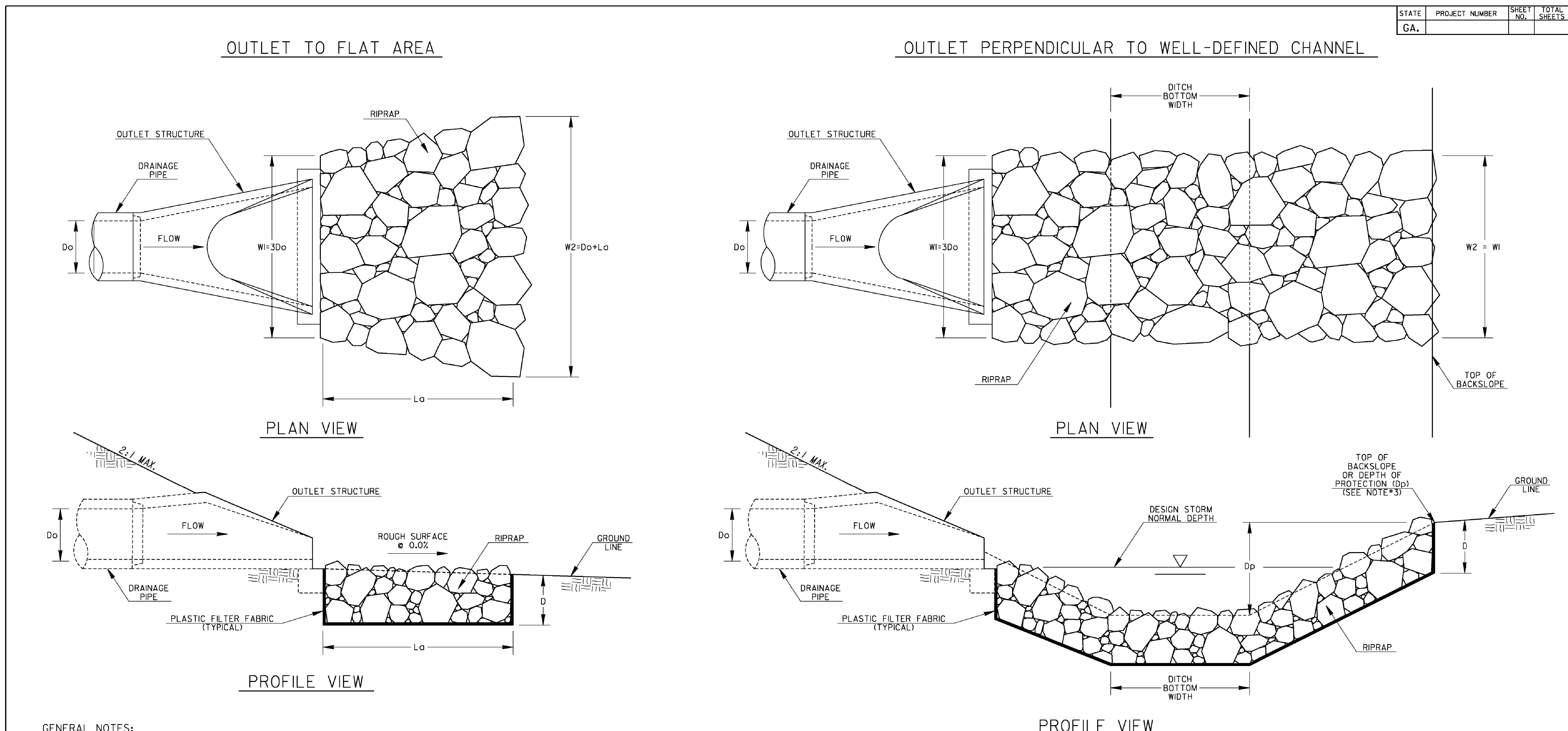
N. T. S.

**REVISION DATES**

NO.	DATE	DESCRIPTION

**EROSION CONTROL CONSTRUCTION DETAILS**  
MABLETON PKWY TRAIL, PHASE 11

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	56-0007
CORRECTED:	DATE:	
VERIFIED:	DATE:	



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD #20, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'. THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (Wi), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.  
THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL. THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.
- IF THE OUTLET HYDRAULICS REQUIRE A d50<=0.70 FEET, TYPE-3 RIPRAP MAY BE USED.  
IF THE OUTLET HYDRAULICS REQUIRE A d50<=1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.  
IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

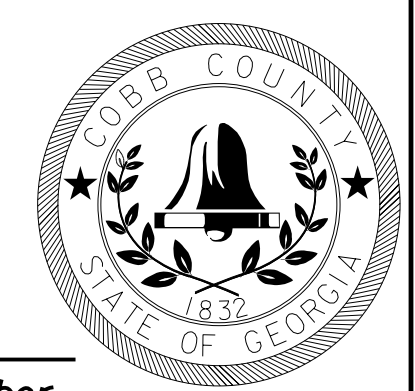
- Do = PIPE DIAMETER
- Q = DESIGN STORM FLOW RATE
- V = DESIGN STORM VELOCITY
- Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
- La = APRON LENGTH
- Wi = APRON WIDTH UPSTREAM
- W2 = APRON WIDTH DOWNSTREAM
- d50 = AVERAGE STONE DIAMETER
- D = INSTALLATION DEPTH
- Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS	
		RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	
BY		NO SCALE	4-22-2016
		DESIGNED	NUMBER
		DRAWN	D-55A
		TRACED	
		CHECKED	



SUBMITTED BY: *Rhandi Q. Gallegos* 5/05/2023  
 0000013885  
 Rhandi Q. Gallegos, P.E. GSICC LEVEL II Certification Number

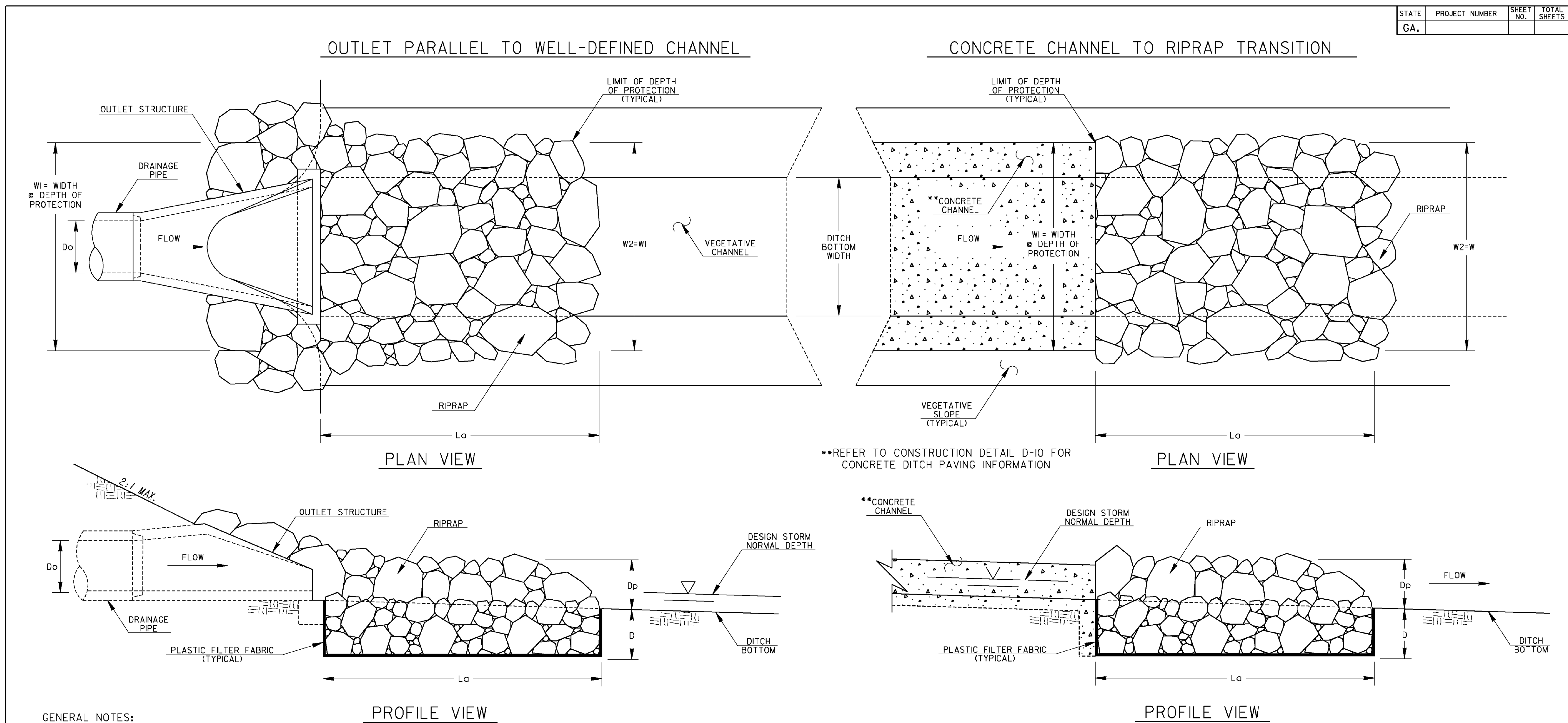


PLANS PREPARED AND SUBMITTED BY:  
**AEI**  
 AMERICAN ENGINEERS, INC.  
 DESIGN CONSULTANT

N. T. S.

REVISION	DATE

<b>EROSION CONTROL CONSTRUCTION DETAILS</b>			
MABLETON PKWY TRAIL, PHASE 11			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	56-0008	
CORRECTED:	DATE:		
VERIFIED:	DATE:		



GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD #20, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES. RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'. THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.  
THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.
- IF THE OUTLET HYDRAULICS REQUIRE A d50 < 0.70 FEET, TYPE-3 RIPRAP MAY BE USED.  
IF THE OUTLET HYDRAULICS REQUIRE A d50 < 1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.  
IF THE OUTLET HYDRAULICS REQUIRE A d50 > 1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

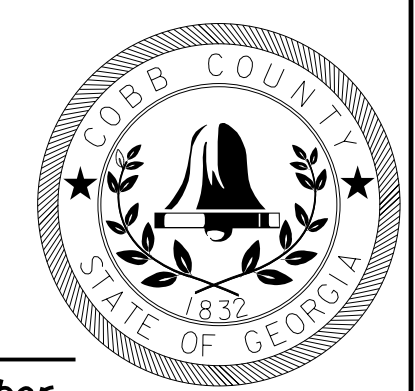
- Do = PIPE DIAMETER
- Q = DESIGN STORM FLOW RATE
- V = DESIGN STORM VELOCITY
- Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
- La = APRON LENGTH
- W1 = APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
- W2 = APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
- d50 = AVERAGE STONE DIAMETER
- D = INSTALLATION DEPTH
- Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤ 1.20	36
3	≤ 0.67	18

DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAILS	
		RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)	
NO SCALE		4-22-2016	
DESIGNED	DLE	NUMBER	
DRAWN	DLE	D-55B	
TRACED			
CHECKED			



SUBMITTED BY: *Rhandi O. Gallegos*  
 5/05/2023  
 0000013885  
 Rhandi O. Gallegos, P.E.  
 GSWCC LEVEL II Certification Number



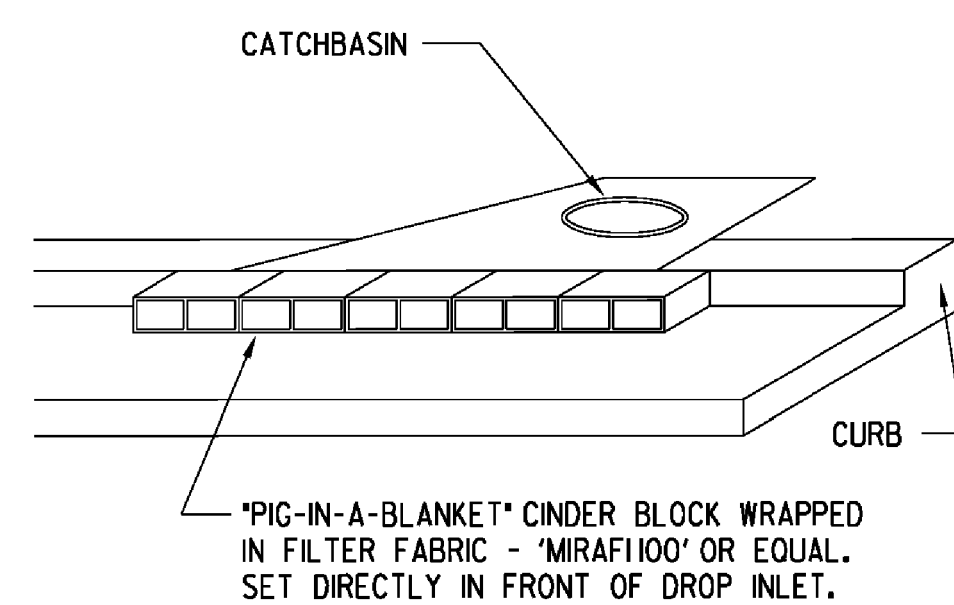
PLANS PREPARED AND SUBMITTED BY: *James Griffin*  
 65 Aberdeen Drive, Glasgow, KY 42044  
 2500 Nelson Miller Parkway, Louisville, KY 40223  
 AMERICAN ENGINEERS, INC.  
 PROFESSIONAL ENGINEERING

N. T. S.

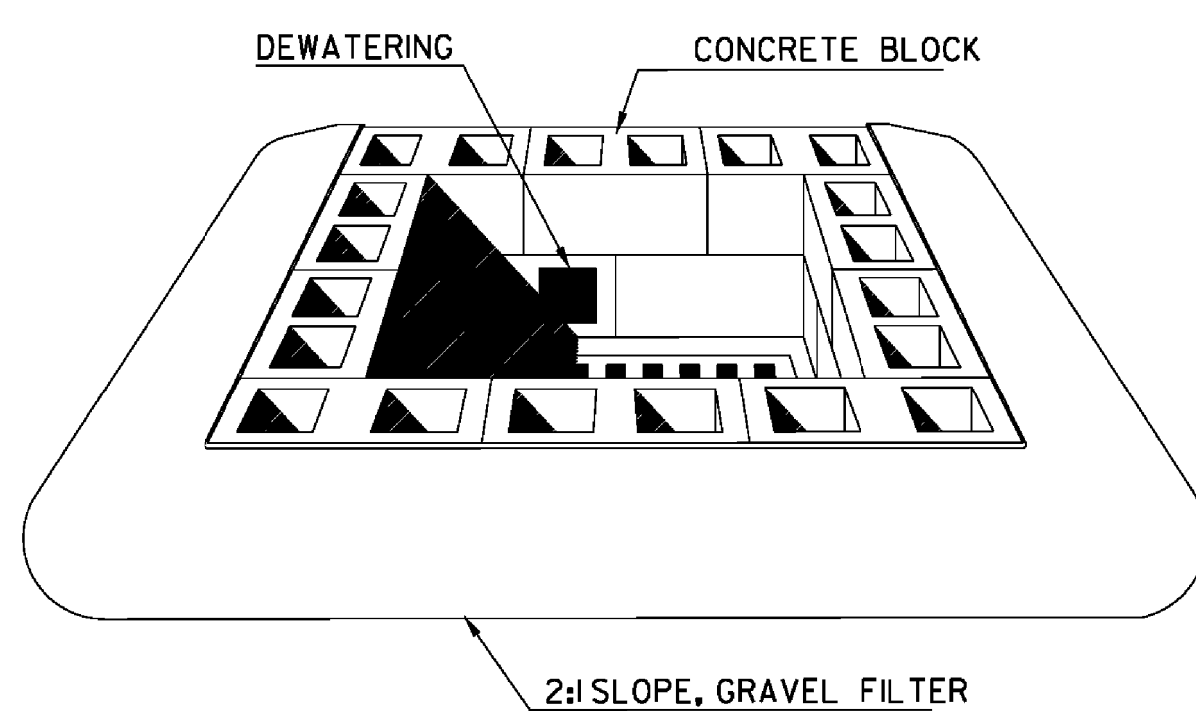
REVISION	DATE

EROSION CONTROL CONSTRUCTION DETAILS  
 MABLETON PKWY TRAIL, PHASE 11  
 CHECKED: DATE: DRAWING No. 56-0009  
 BACKCHECKED: DATE:  
 CORRECTED: DATE:  
 VERIFIED: DATE:

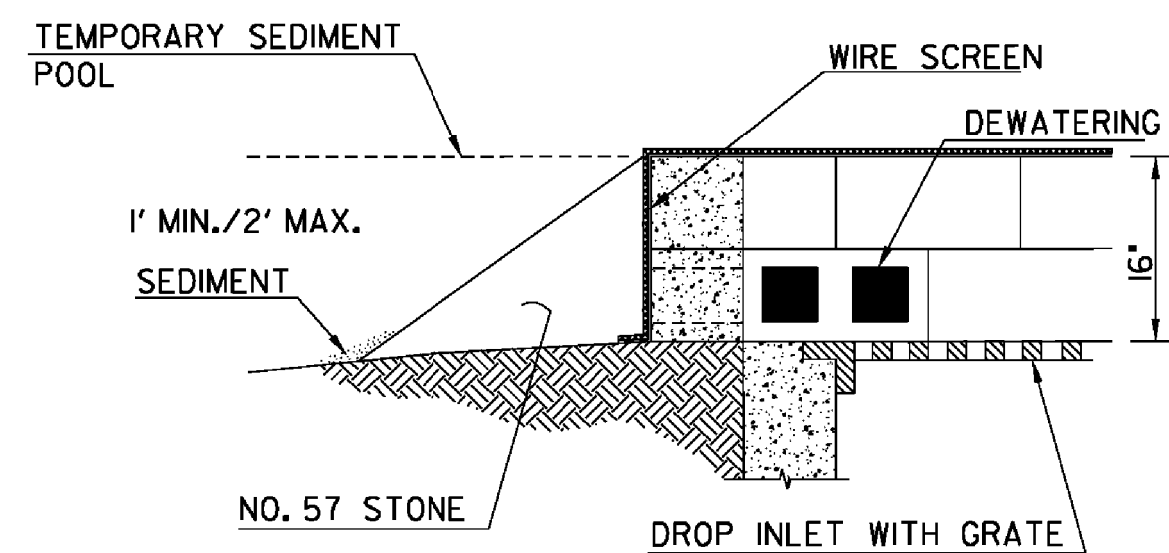




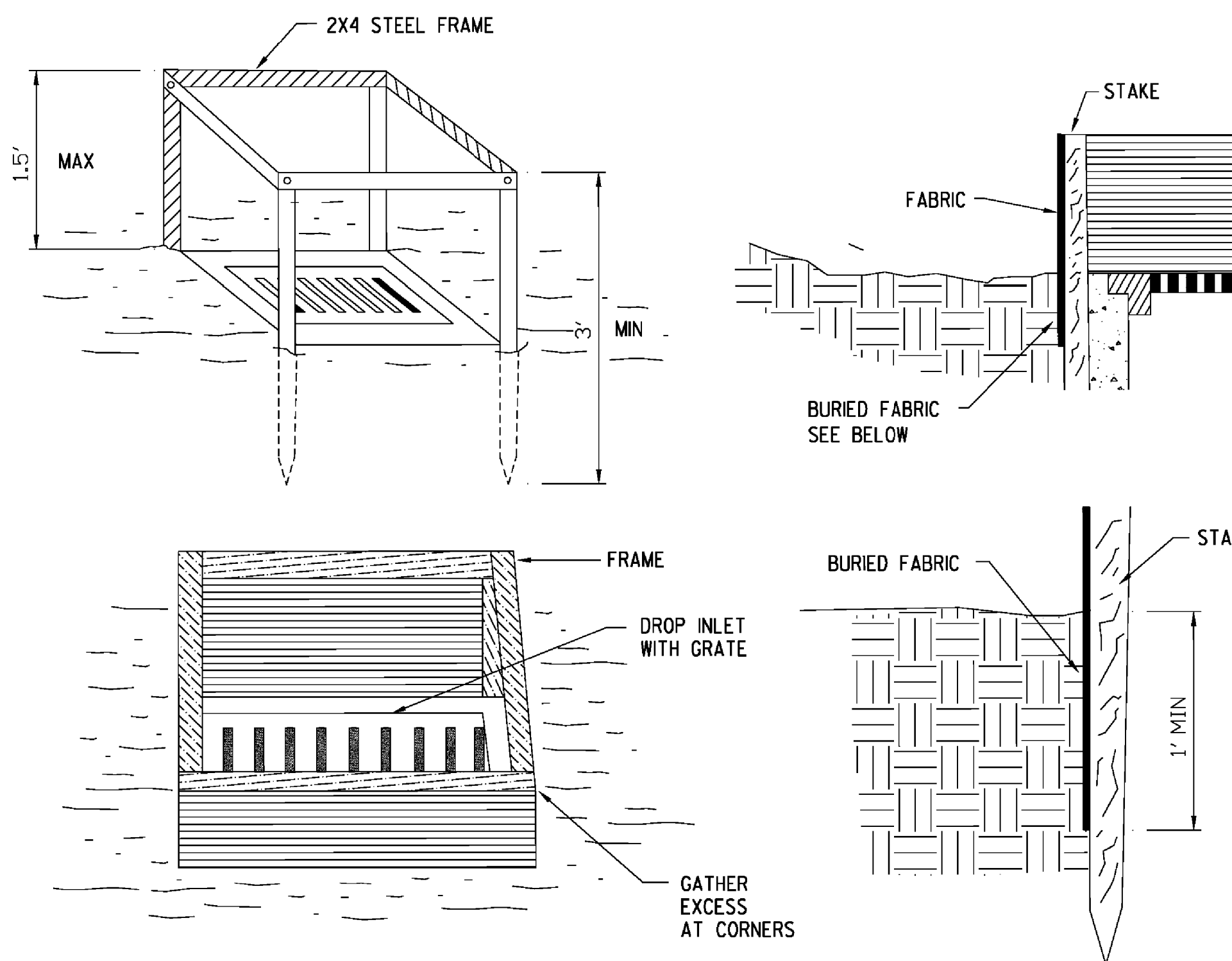
Sd2-P CURB INLET PROTECTION



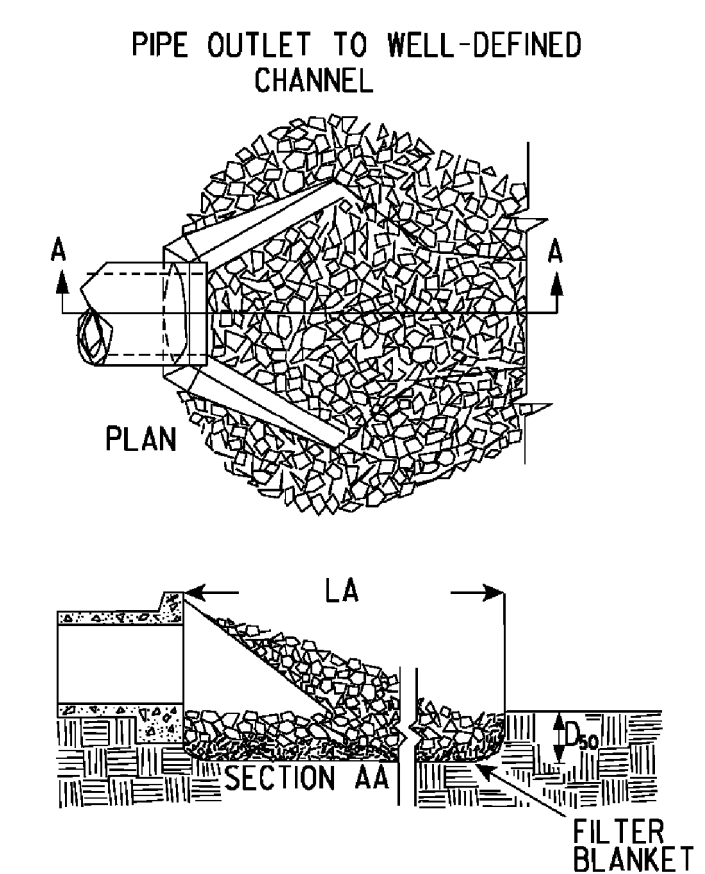
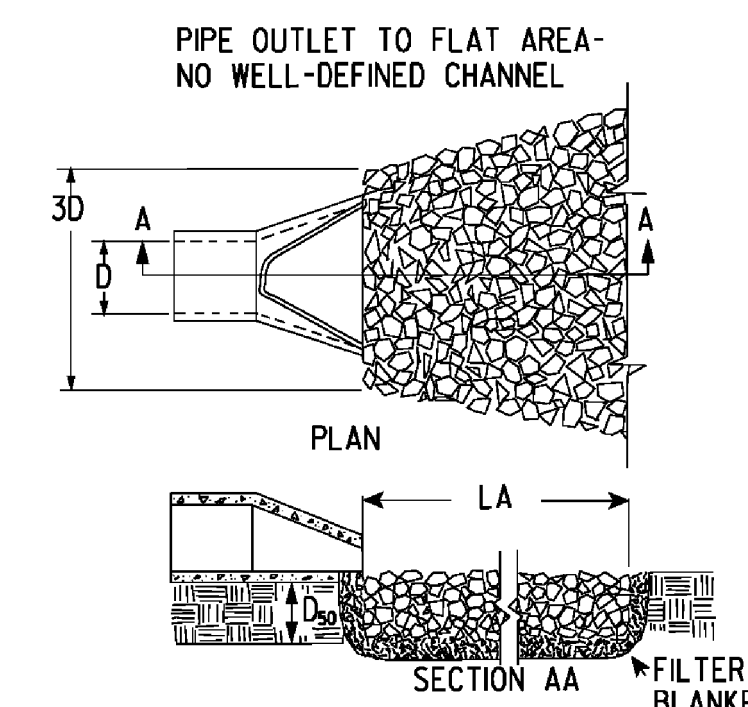
Sd2-Bg BLOCK AND GRAVEL DROP INLET PROTECTION



Sd2-B BAFFLE BOX



Sd2 ALTERNATE Sd2 STRUCTURE



- NOTES
1. LA IS THE LENGTH OF THE RIPRAP APRON.
  2. D<sub>50</sub> = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
  3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OF TO THE TOP OF THE BANK, WHICHEVER IS LESS.
  4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

St STORM DRAIN OUTLET PROTECTION

- NOTES:
1. FOR STAKES, USE 2X4 INCH WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
  2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET AT A MAXIMUM OF 3' APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18" DEEP.
  3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2X4 INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5' ABOVE THE DROP INLET CREST.
  4. PLACE THE BOTTOM 12" OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH AT LEAST 4" OF CRUSHED STONE OR 12" OF COMPACTED SOIL.
  5. FASTEN FABRIC SECURELY TO THE STAKES AND FRAME, JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
  6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM PASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.



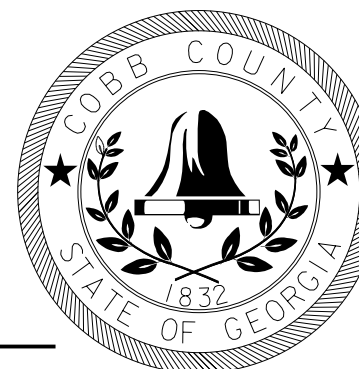
SUBMITTED BY:

Rhandi O. Gallegos, P.E.

5/05/2023

000013885

GSWCC LEVEL II Certification Number



PLANS PREPARED AND SUBMITTED BY:

AEI

AMERICAN ENGINEERS, INC.

DESIGN CONSULTANT

PROFESSIONAL ENGINEERING

N. T. S.

REVISION DATES

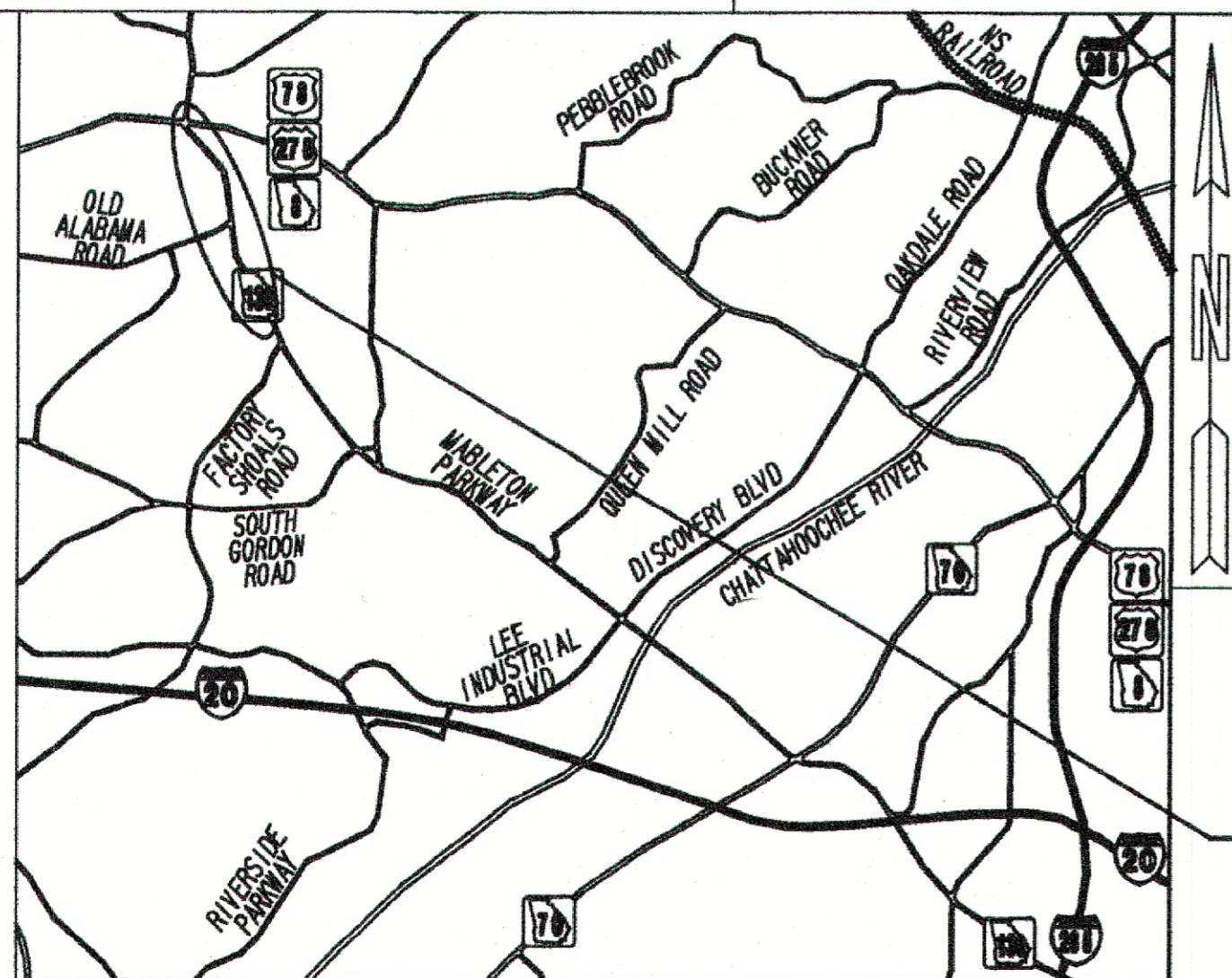
EROSION CONTROL CONSTRUCTION DETAILS  
MABLETON PKWY TRAIL, PHASE II

CHECKED:	DATE:	DRAWING No. 56-0010
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

# COBB COUNTY DEPARTMENT OF TRANSPORTATION

## PROPOSED RIGHT OF WAY PLAN FOR SR 139/MABLETON PKWY TRAIL, PHASE II

COBB COUNTY PROJECT NO. X2770



LOCATION SKETCH

POSTED SPEED: 45 MPH  
SPEED DESIGN: 45 MPH

FUNCTIONAL CLASS:  
ARTERIAL

THIS PROJECT IS 100% IN  
COBB COUNTY AND IS  
100% IN CONG. DIST. NO. 13.

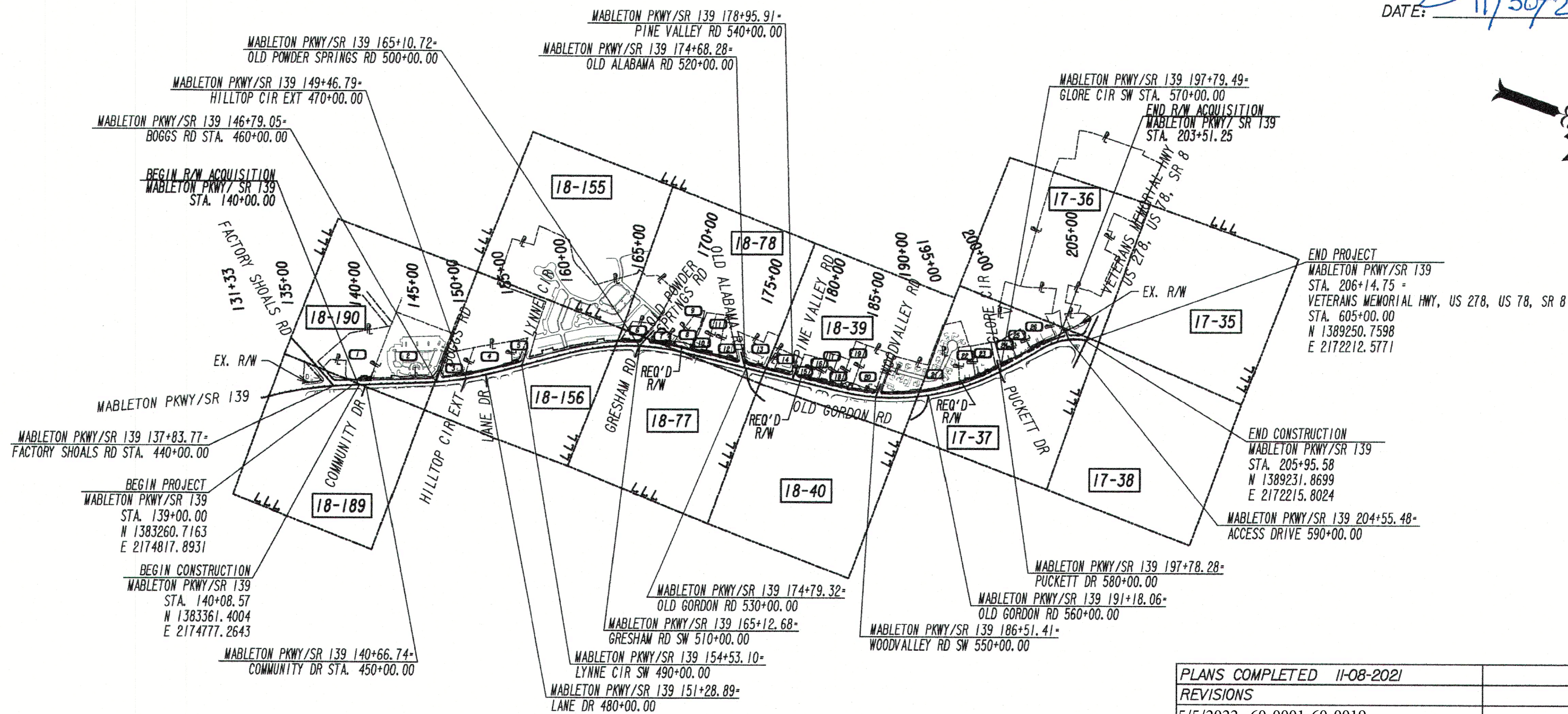
LAND DISTRICT: 17, 18  
LAND LOTS: 36, 37, 39, 77, 78,  
156, 189, 190

COBB COUNTY COMMISSION:  
DISTRICT 4

PROJECT DESIGNATION:  
DESIGNED IN ENGLISH UNITS.

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

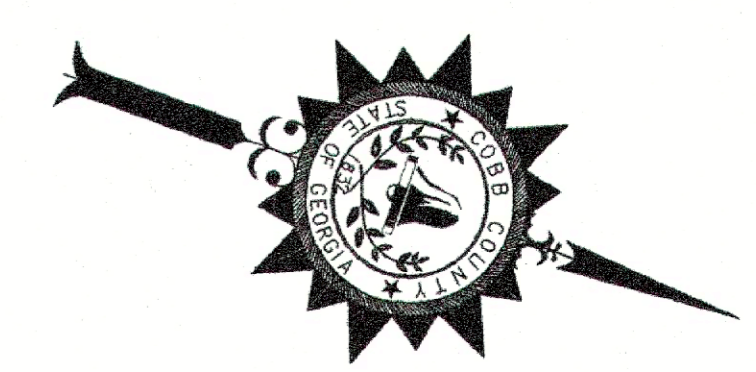
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT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



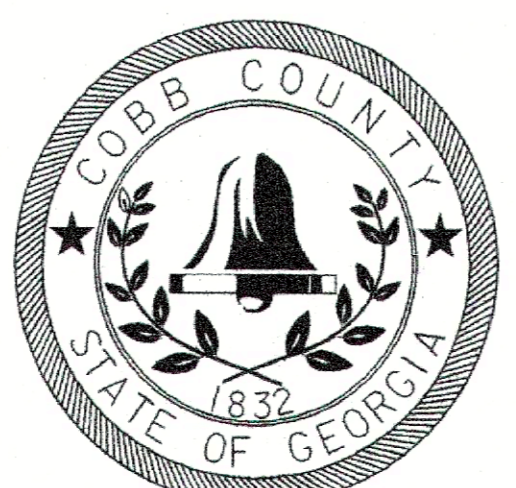
PLANS PREPARED BY:  
COBB COUNTY PROJECT NO. X2770

ACCEPTED BY COBB COUNTY DOT

DATE: 11/30/2021



DEC 11/24/2021

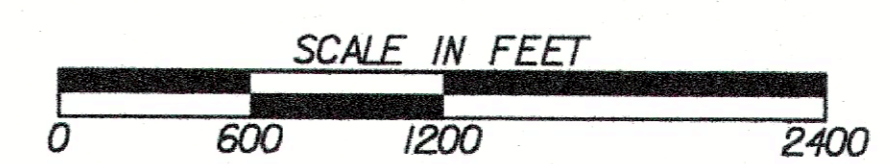


LENGTH OF PROJECT	COUNTY No. 067
	Project No. X2770
	MILES
NET LENGTH OF ROADWAY	1.272
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.272
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.272

PLANS PREPARED AND SUBMITTED BY:

**AEI**  
AMERICAN ENGINEERS, INC.  
www.aei.co

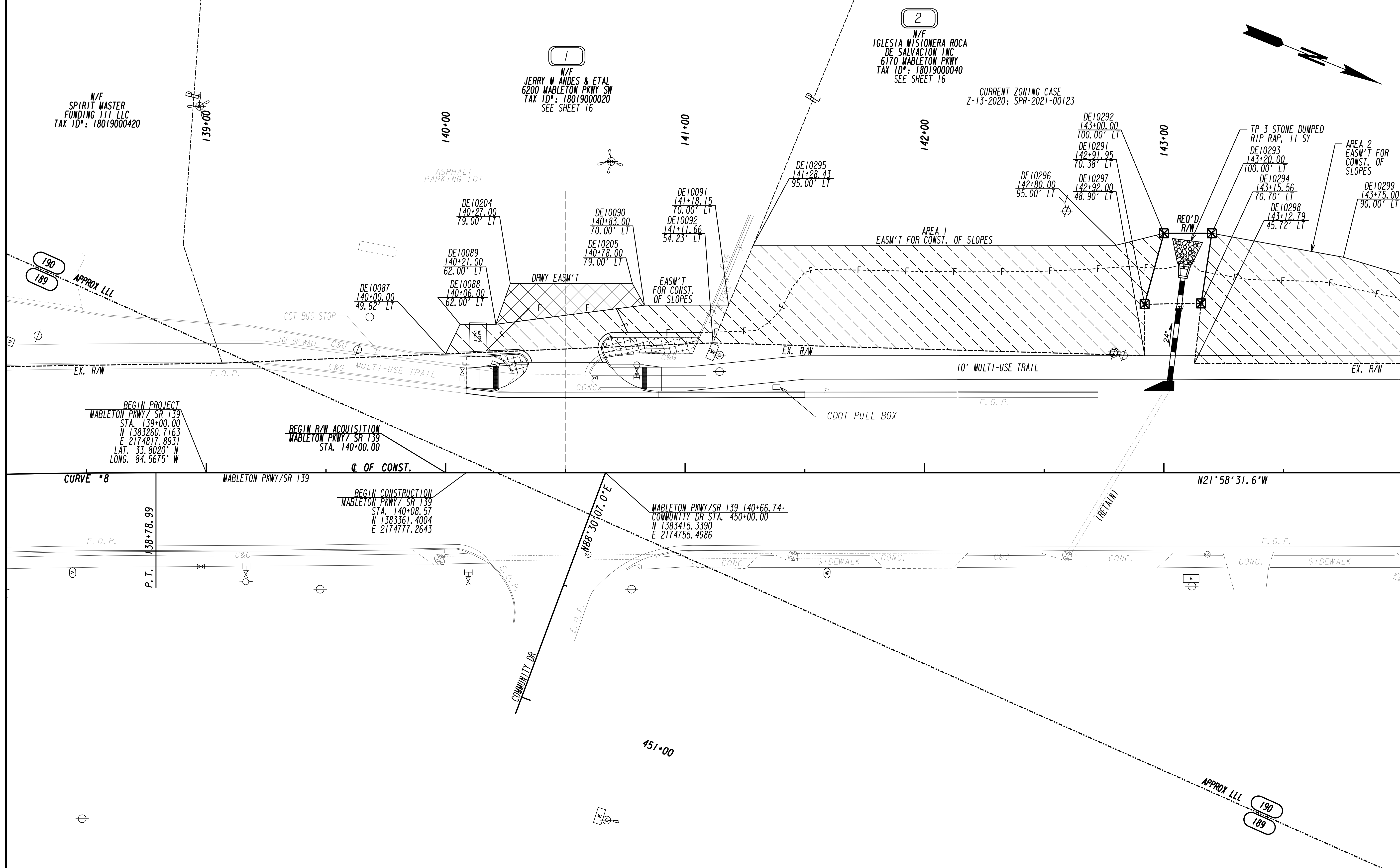
DESIGN CONSULTANT  
PROFESSIONAL ENGINEER



PLANS COMPLETED	REVISIONS
11-08-2021	
5/5/2022: 60-0001-60-0019	
1/12/2023: 60-0002, 60-0010, 60-0017	
5/3/2023: 60-0002 - 0007, 60-0011 - 0013, 60-0016, 60-0018, 60-0019	

DRAWING No.  
60-0001

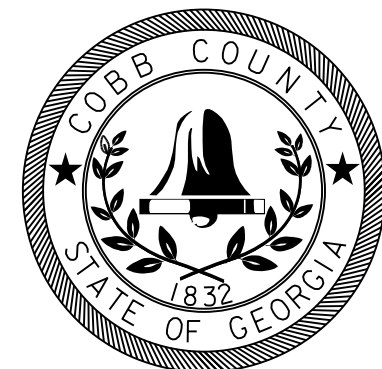




PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

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



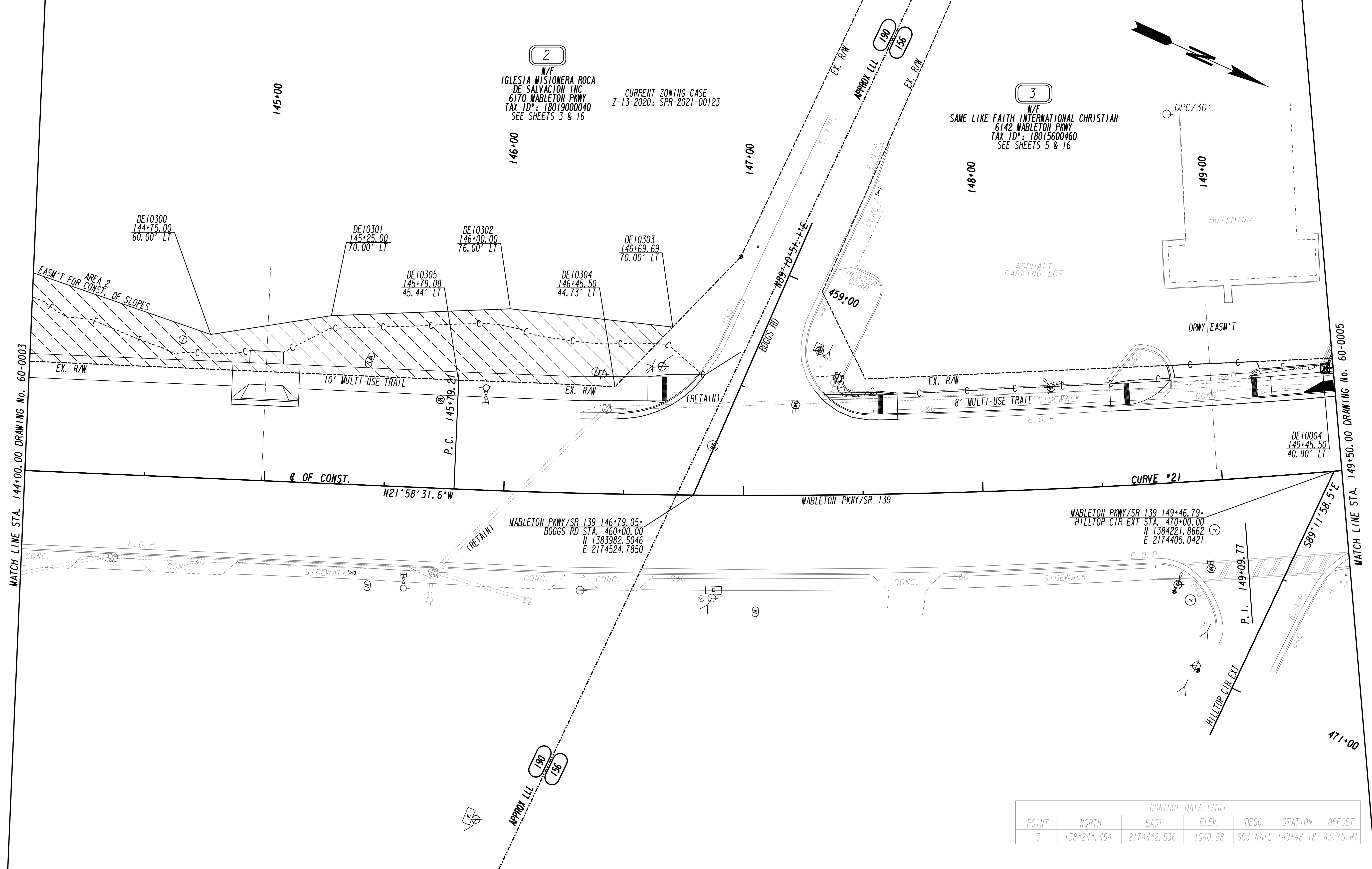
DATE	REVISIONS
5/5/2022	TOTAL SHEETS
5/3/2023	PARCEL 2: REVISED REQ'D R/W & TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 189, 190  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 3 OF 19

DRAWING No.  
**60-0003**

MATCH LINE STA. 144+00.00 DRAWING No. 60-0004



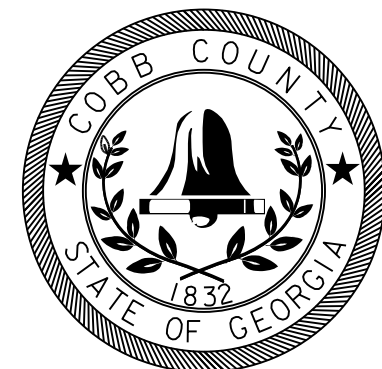
CONTROL DATA TABLE

POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
3	1384244.454	2174442.536	1040.58	60d NAIL	149+48.18	43.75 RT

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

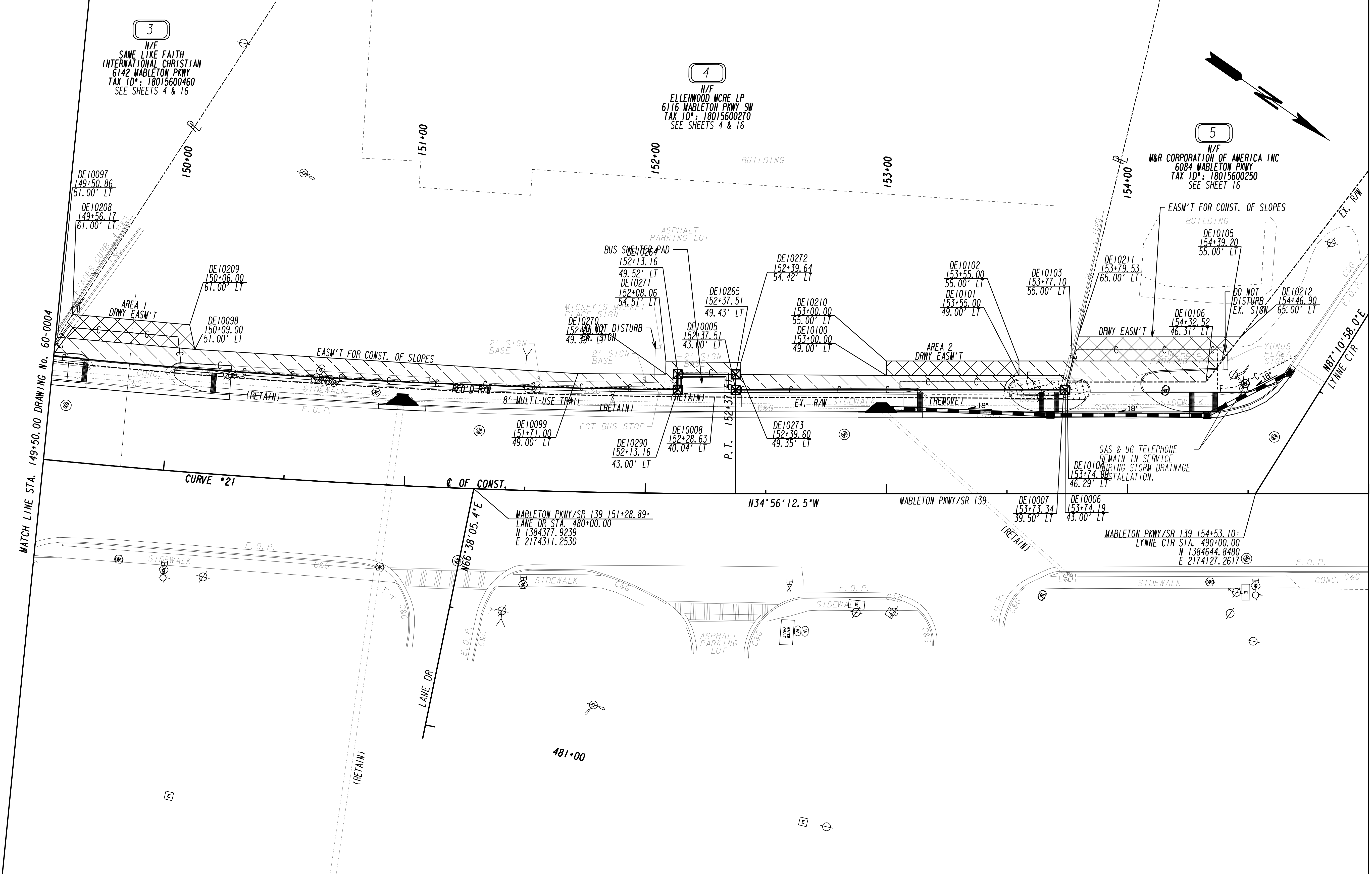


DATE	REVISIONS
5/5/2022	TOTAL SHEETS
5/3/2023	PARCEL #2: REVISED TEMP. CONSTR. ESMT
	PARCEL #3: REMOVED DRWY ESMT & TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 156, 190  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 4 OF 19

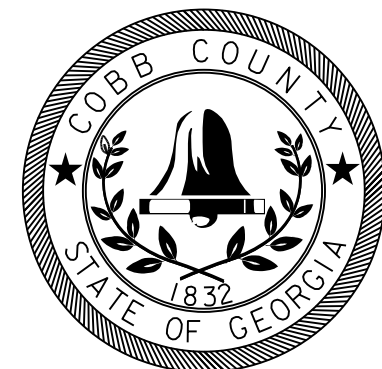
DRAWING No.  
**60-0004**



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

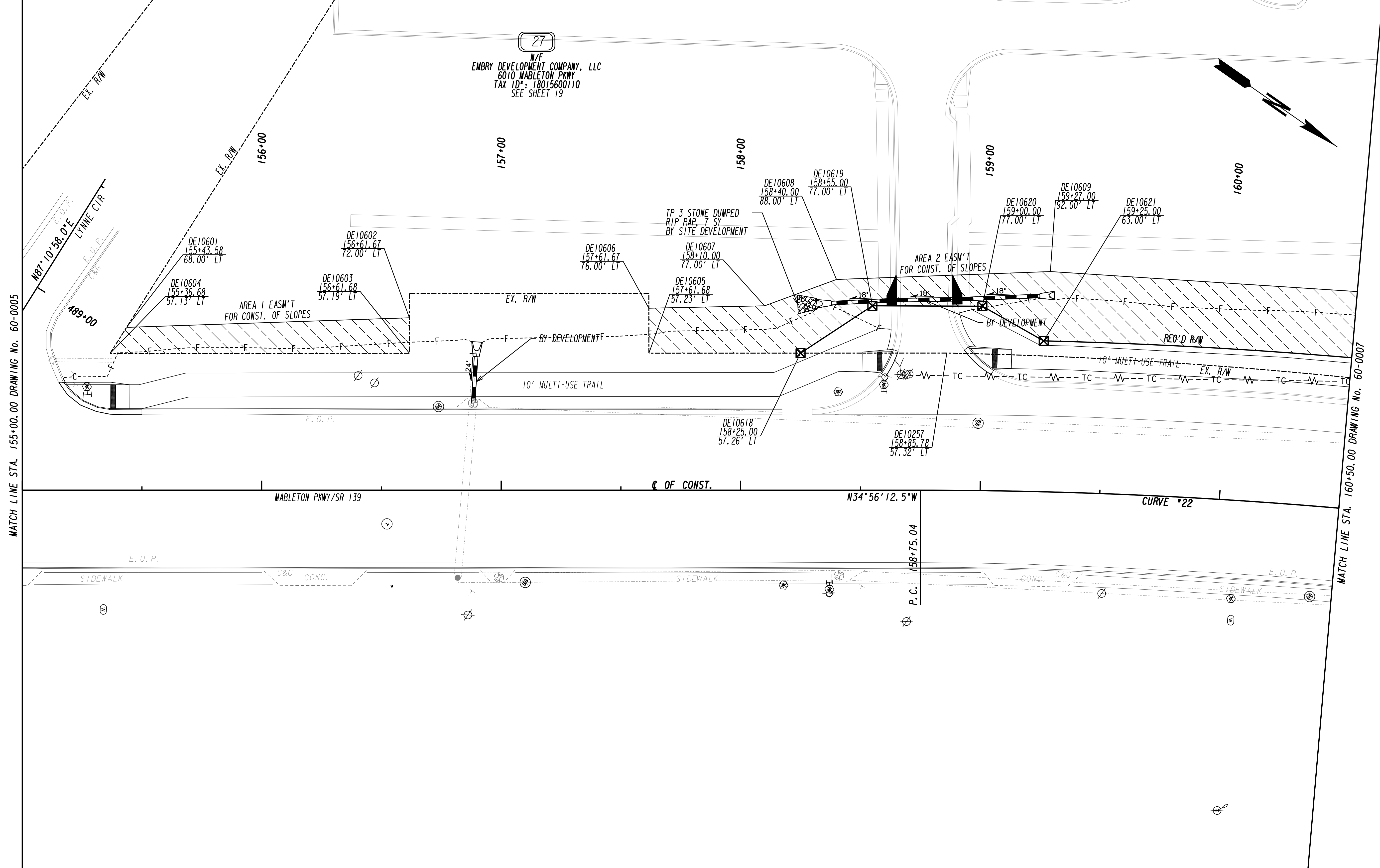


DATE	REVISIONS
5/5/2022	PARCEL 4: REVISED REQ'D R/W & TEMP. CONSTR. ESMT FOR BUS STOP, TOTAL SHEETS
5/3/2023	PARCEL *3: REMOVED DRWY ESMT & TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 156  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 5 OF 19

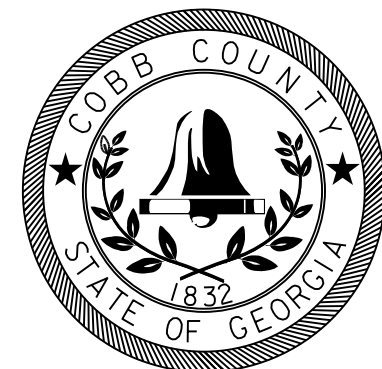
DRAWING No.  
**60-0005**



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

SCALE IN FEET  
 0 20 40 80

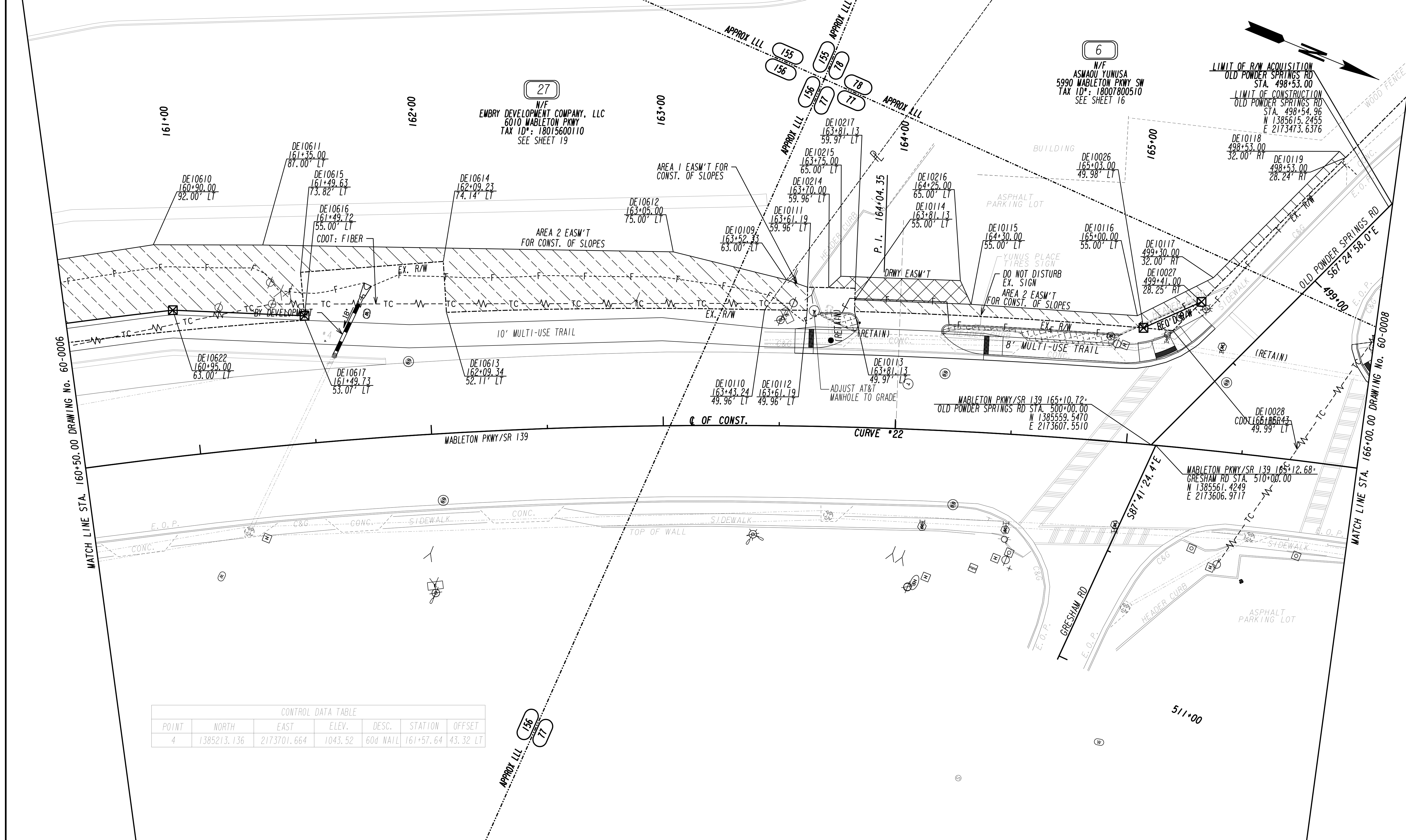


DATE	REVISIONS
5/5/2022	TOTAL SHEETS
5/3/2023	PARCEL 27: ADDED REQ'D R/W & TEMP. CONSTR. ESMTS

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 156  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 6 OF 19

DRAWING No.  
**60-0006**



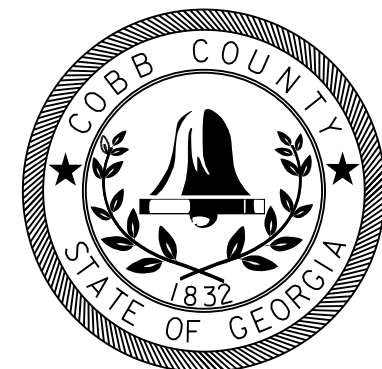
CONTROL DATA TABLE

POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
4	1385213.136	2173701.664	1043.52	60d NAIL	161+57.64	43.32 LT

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



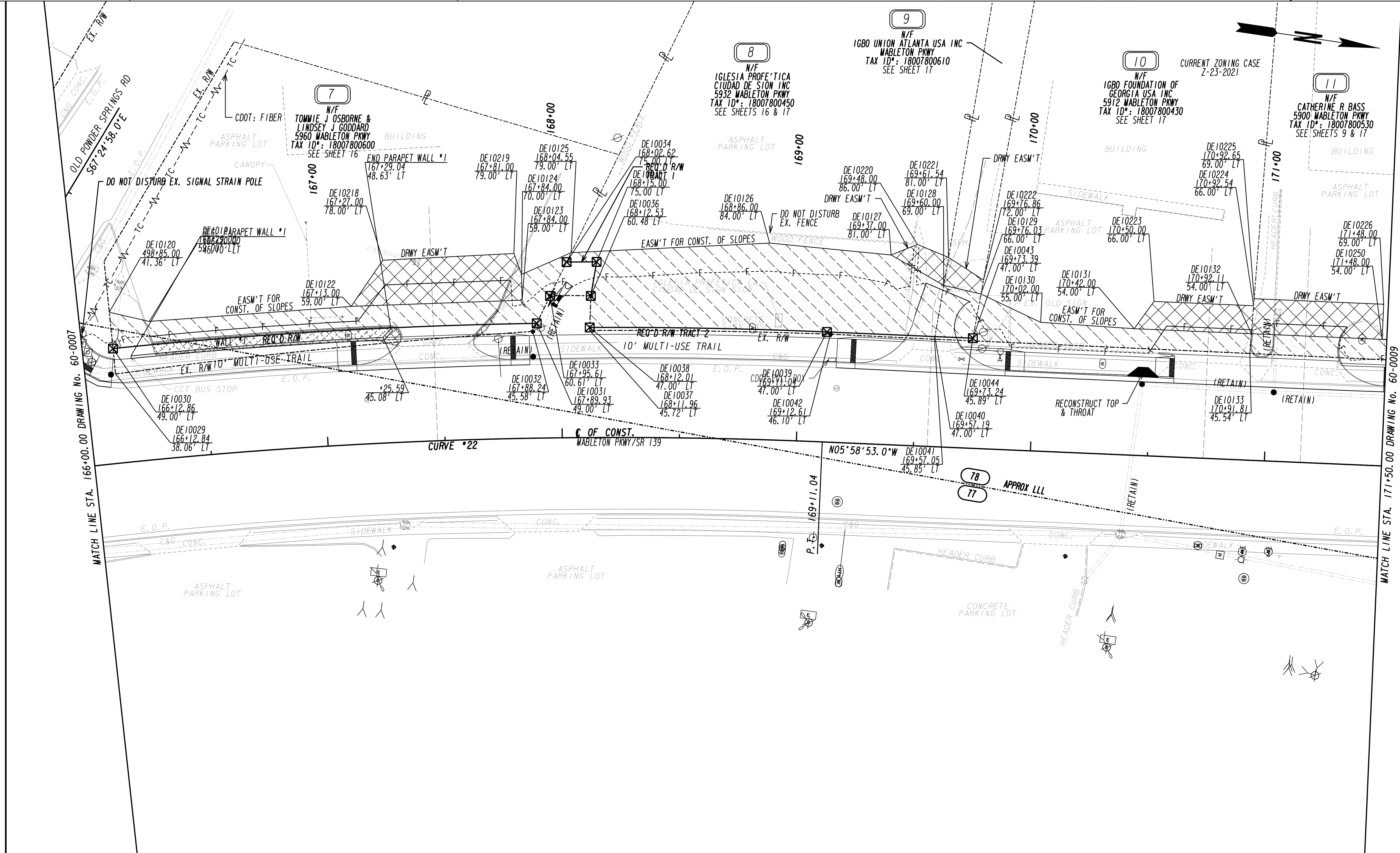
DATE	REVISIONS
5/5/2022	TOTAL SHEETS
5/3/2023	PARCEL 27: ADDED REQ'D R/W & TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 77, 78, 155, 156  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 7 OF 19

DRAWING No.  
**60-0007**

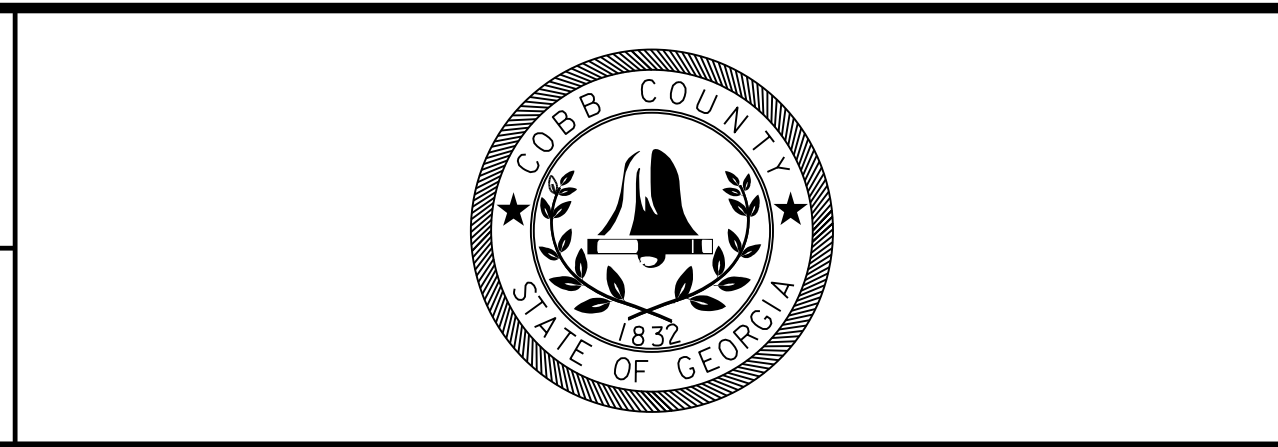




PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

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



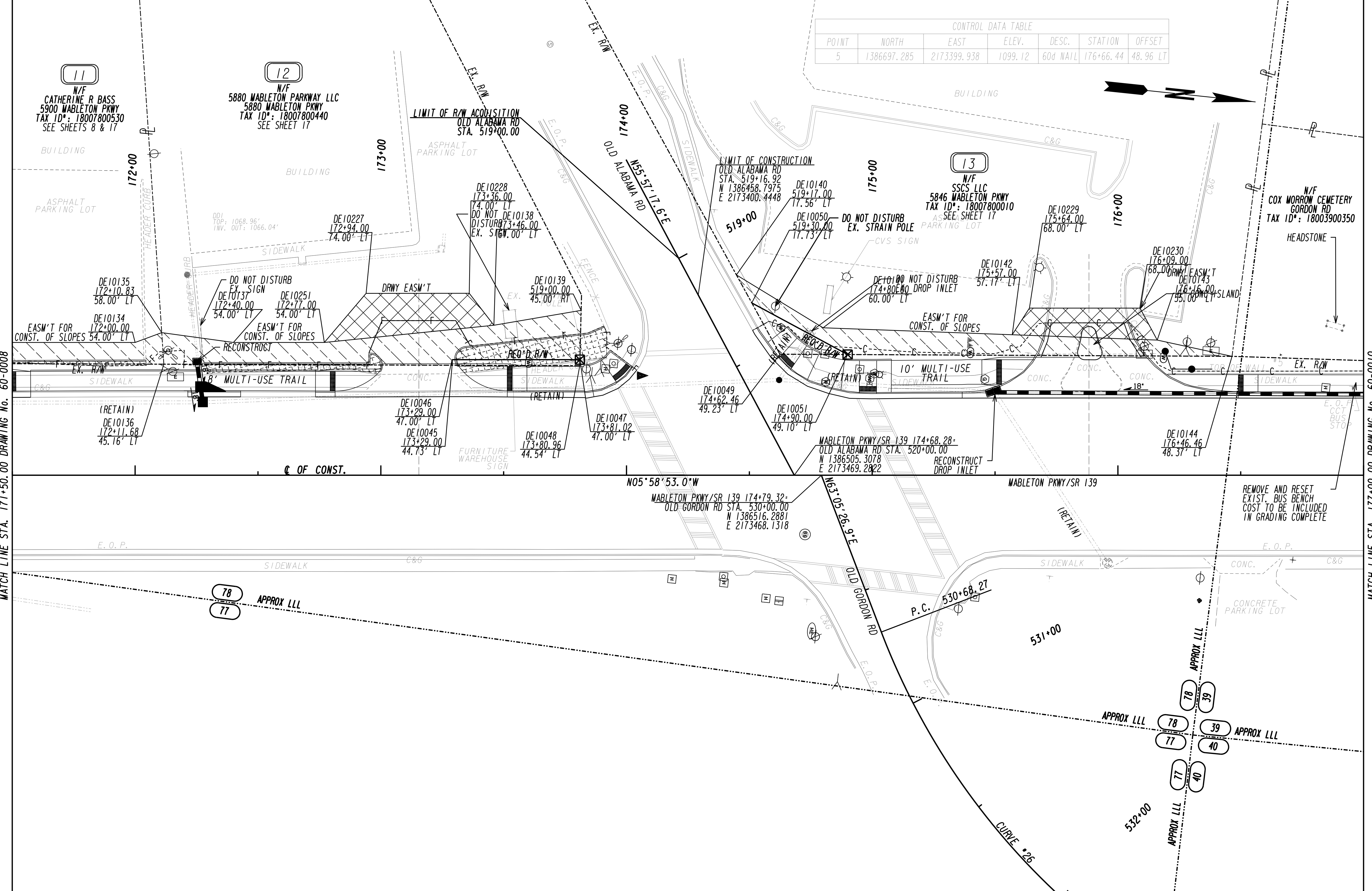
DATE	REVISIONS
5/5/2022	TOTAL SHEETS

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 77,78  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 8 OF 19

DRAWING No.  
**60-0008**

CONTROL DATA TABLE						
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
5	1386697.285	2173399.938	1099.12	60d NAIL	176+66.44	48.96 LT



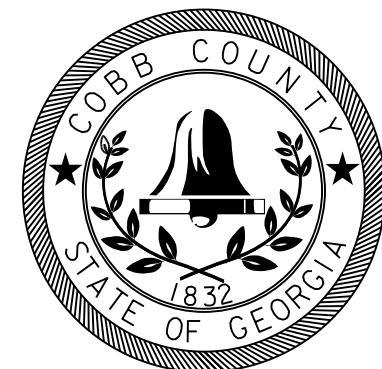
MATCH LINE STA. 171+50.00 DRAWING No. 60-0008

MATCH LINE STA. 177+00.00 DRAWING No. 60-0010

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

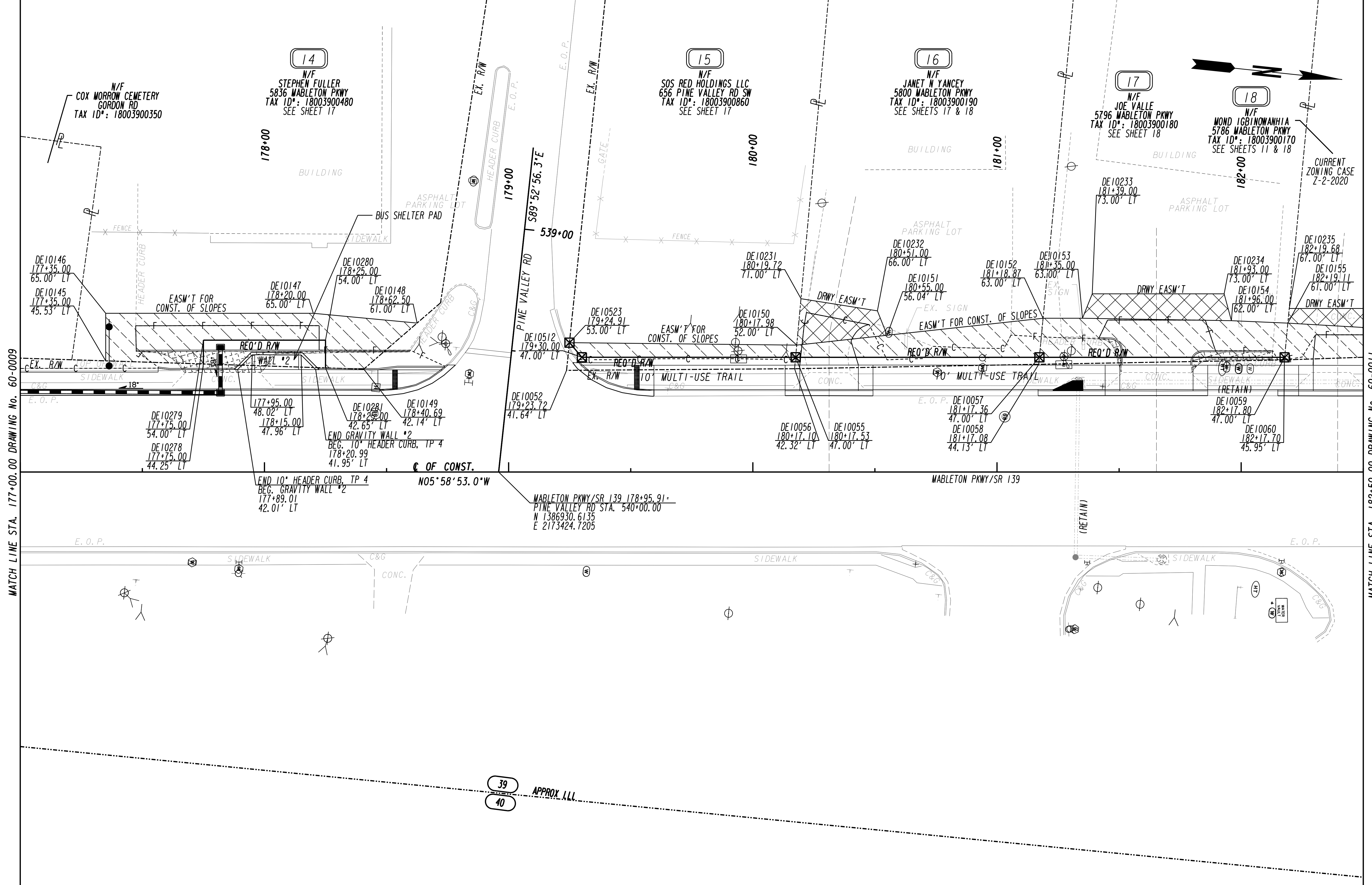


DATE	REVISIONS
5/5/2022	TOTAL SHEETS

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 39, 40, 77, 78  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 9 OF 19

DRAWING No.  
**60-0009**



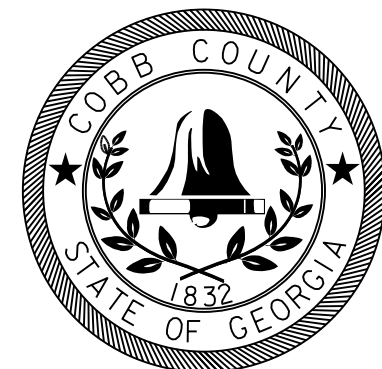
MATCH LINE STA. 177+00.00 DRAWING No. 60-0009

MATCH LINE STA. 182+50.00 DRAWING No. 60-0011

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

---E--- BEGIN LIMIT OF ACCESS.....BLA  
 ---C--- END LIMIT OF ACCESS.....ELA  
 ---F--- LIMIT OF ACCESS  
 [Hatched Box] REQ'D R/W & LIMIT OF ACCESS

SCALE IN FEET  
 0 20 40 80

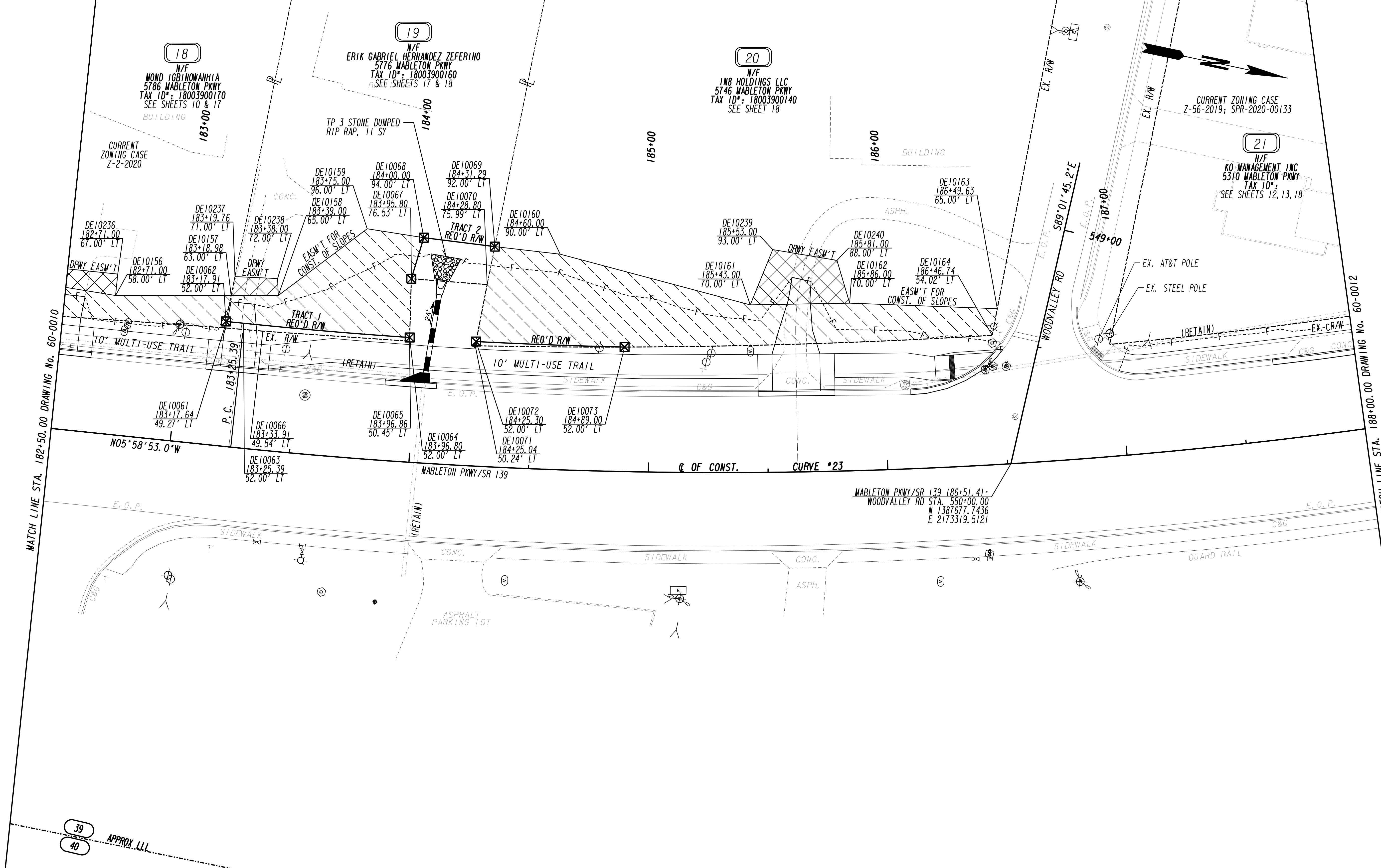


DATE	REVISIONS
5/5/2022	PARCEL 15: REVISED REQ'D R/W & TEMP. CONSTR. ESMT FOR BUS STOP
	SHEET REFERENCES, TOTAL SHEETS
1/12/2023	PARCEL 15: REVISED REQ'D R/W & TEMP. CONSTR. ESMT FOR BUS STOP
	REMOVAL
	PARCEL 14: REVISED TEMP. CONSTR. ESMT FOR WALL AND BUS STOP
	ADDITION AND NEW REQ'D R/W

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 39, 40  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 10 OF 19

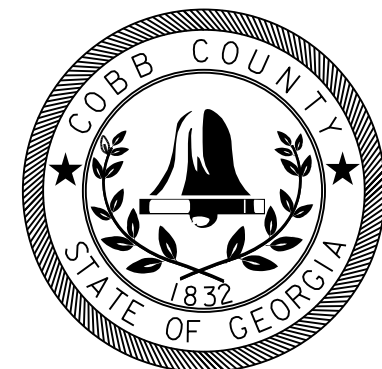
DRAWING No.  
**60-0010**



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

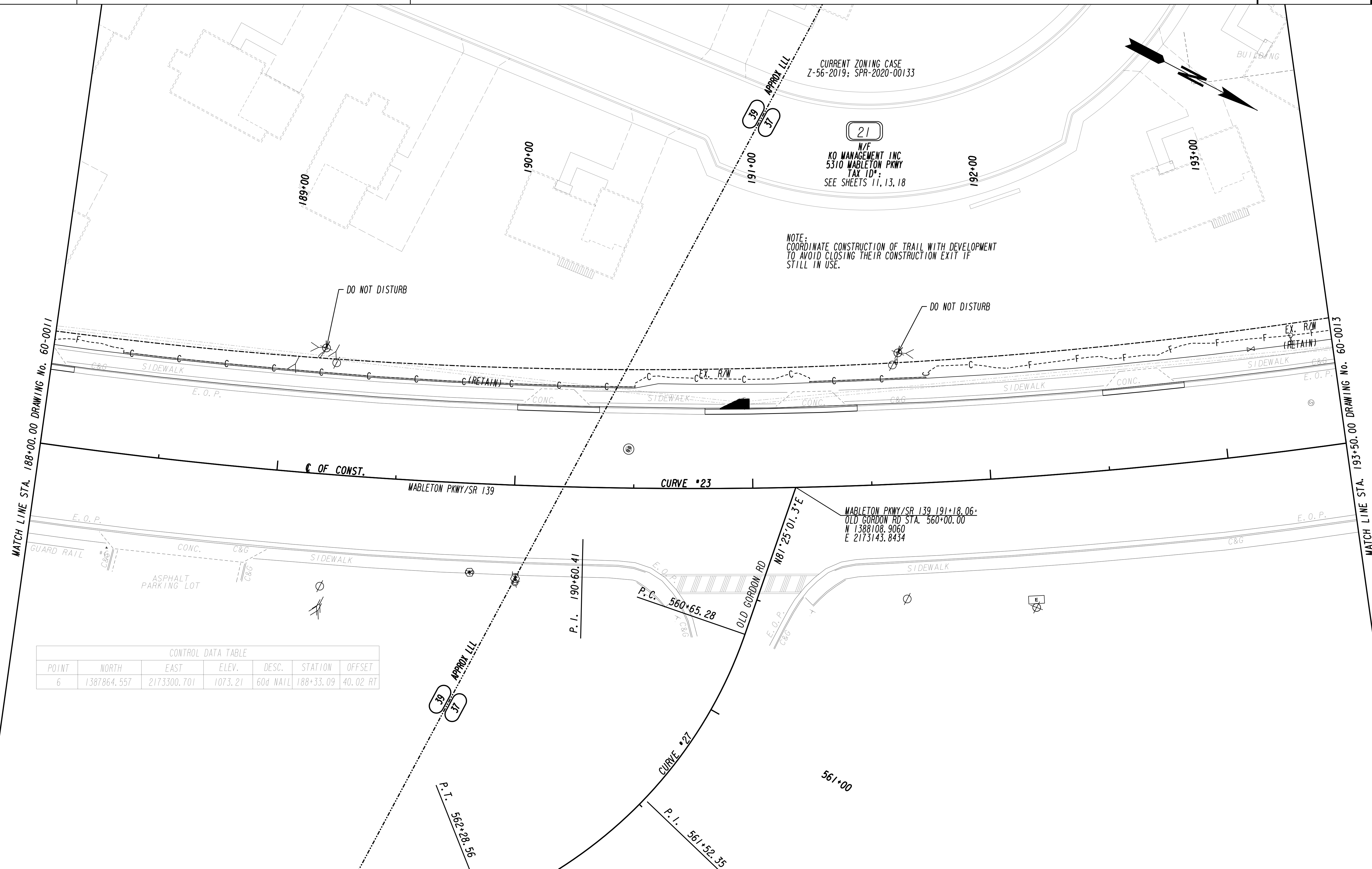


DATE	REVISIONS
5/5/2022	SHEET REFERENCES, TOTAL SHEETS
5/3/2023	PARCEL 21: REMOVED REQ'D R/W & TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 39, 40  
 LAND DISTRICT: 18  
 GMD: 895  
 DATE: 11/08/21 SH 11 OF 19

DRAWING No.  
**60-0011**



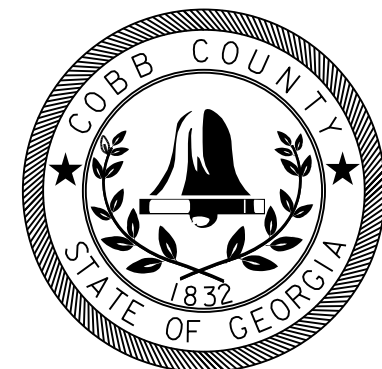
CONTROL DATA TABLE						
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
6	1387864.557	2173300.701	1073.21	60d NAIL	188+33.09	40.02 RT

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

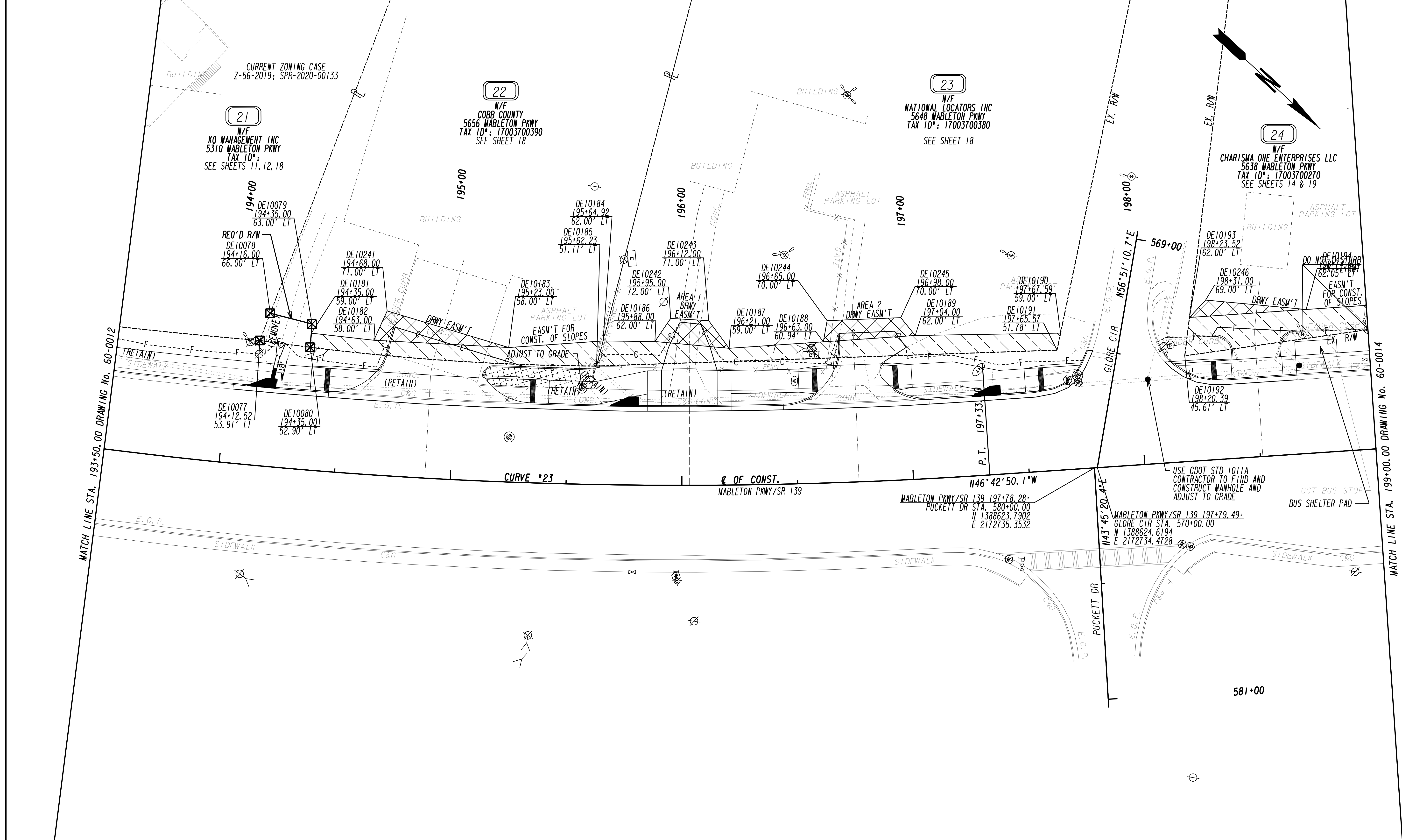


DATE	REVISIONS
5/5/2022	SHEET REFERENCES, TOTAL SHEETS
5/3/2023	PARCEL 21; REMOVED TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 37, 39  
 LAND DISTRICT: 17, 18  
 GMD: 895  
 DATE: 11/08/21 SH 12 OF 19

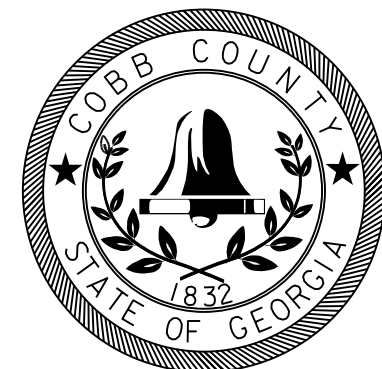
DRAWING No.  
**60-0012**



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

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

SCALE IN FEET  
 0 20 40 80

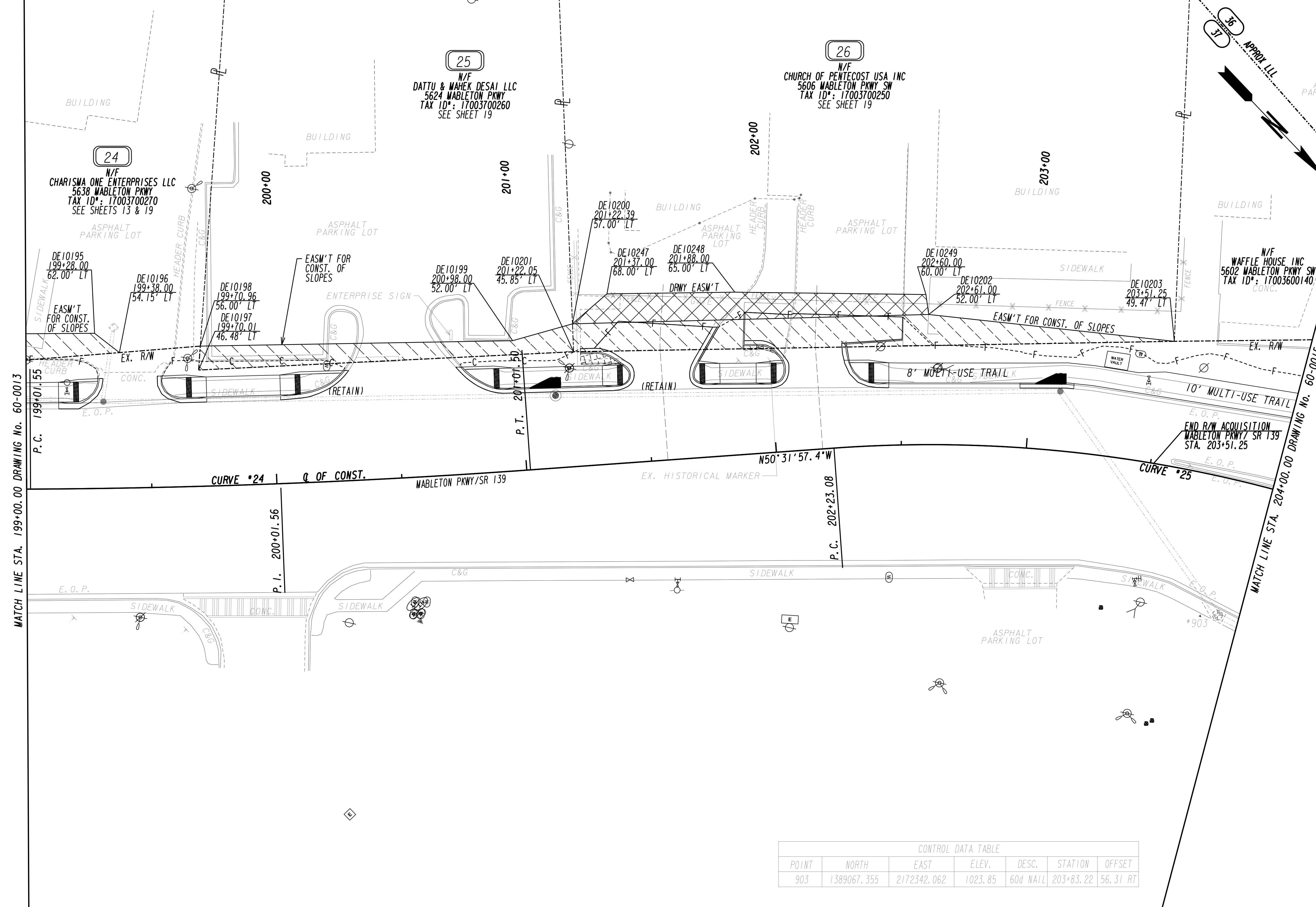


DATE	REVISIONS
5/5/2022	SHEET REFERENCES, TOTAL SHEETS
5/3/2023	PARCEL 21: REMOVED TEMP. CONSTR. ESMT

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 37  
 LAND DISTRICT: 17  
 GMD: 895  
 DATE: 11/08/21 SH 13 OF 19

DRAWING No.  
**60-0013**

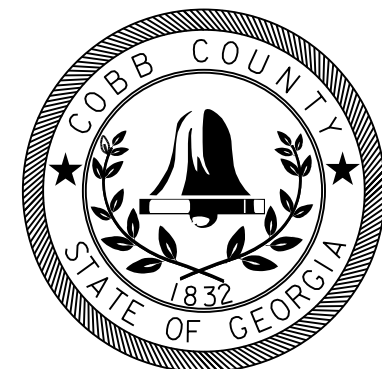


CONTROL DATA TABLE						
POINT	NORTH	EAST	ELEV.	DESC.	STATION	OFFSET
903	1389067.355	2172342.062	1023.85	60d NA1L	203+83.22	56.31 RT

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

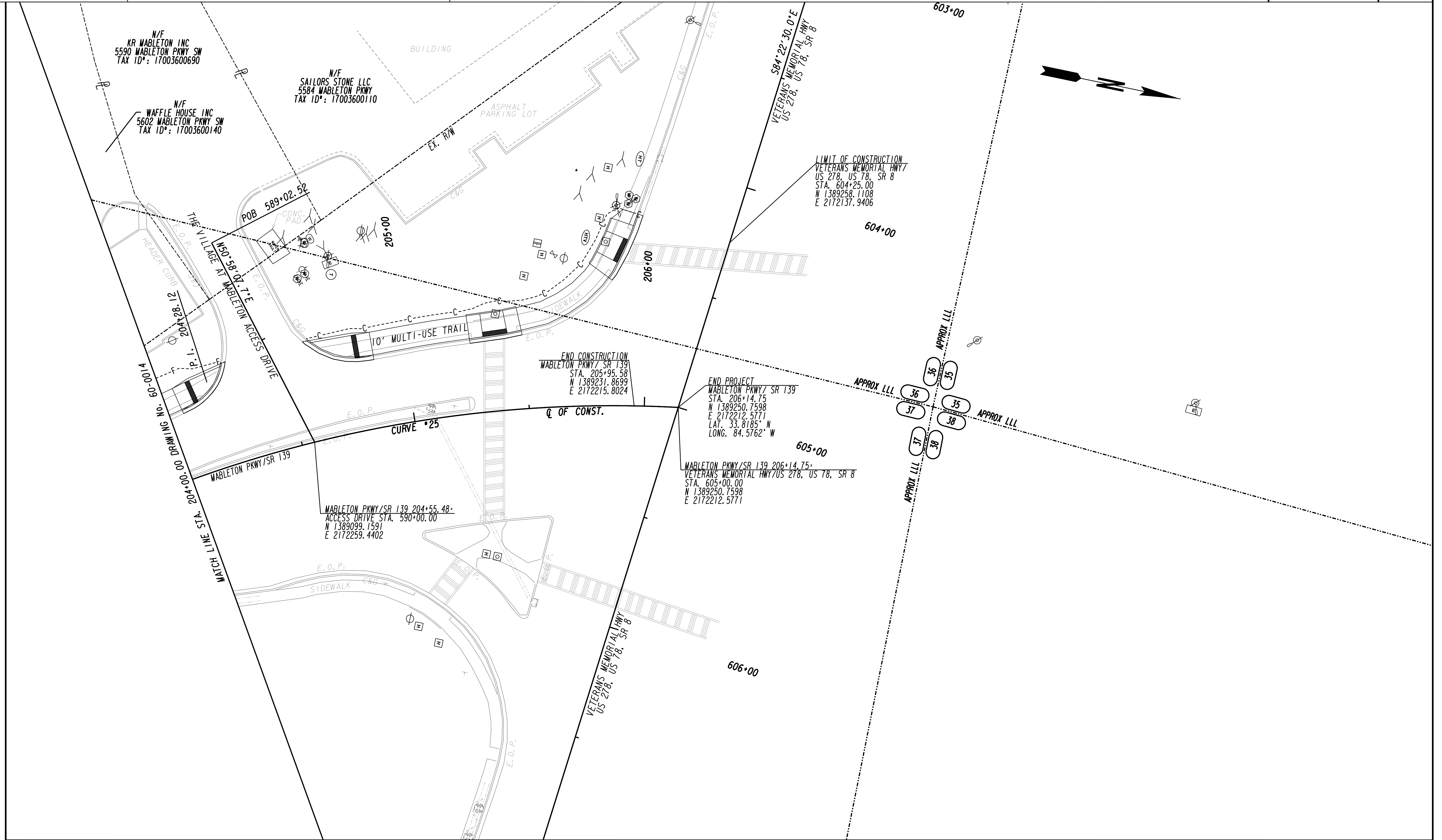


DATE	REVISIONS
5/5/2022	SHEET REFERENCES, TOTAL SHEETS

COBB COUNTY  
 DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**

PROJECT NO: X2770  
 COUNTY: COBB  
 LAND LOT NO: 36, 37  
 LAND DISTRICT: 17  
 GMD: 895  
 DATE: 11/08/21 SH 14 OF 19

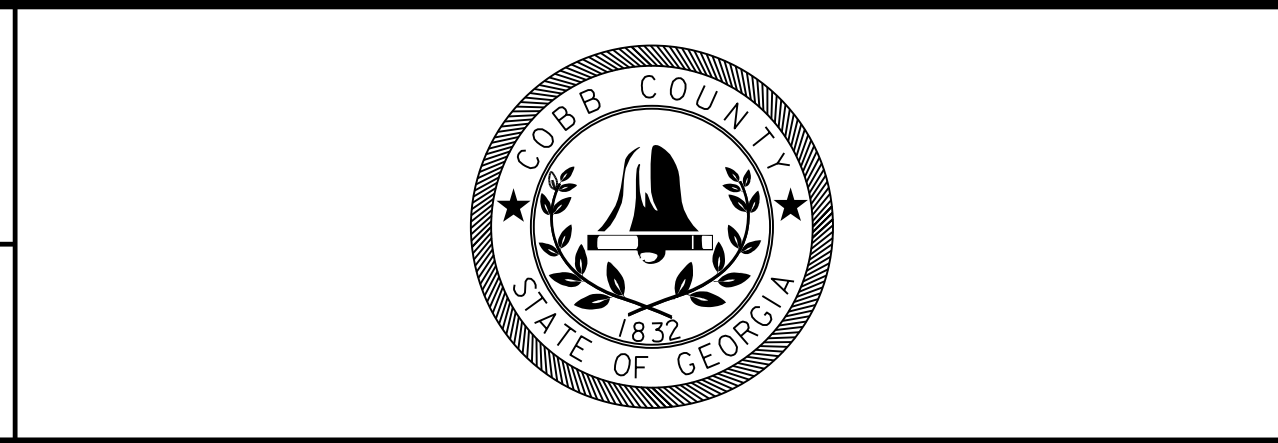
DRAWING No.  
**60-0014**



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



DATE	REVISIONS
5/5/2022	TOTAL SHEETS

COBB COUNTY DEPARTMENT OF TRANSPORTATION	
<b>RIGHT OF WAY MAP</b>	
PROJECT NO: X2770	DRAWING No. <b>60-0015</b>
COUNTY: COBB	
LAND LOT NO: 35, 36, 37, 38	
LAND DISTRICT: 17	
GMD: 895	DATE: 11/08/21 SH 15 OF 19



SEE SHEET 3

PAR \*1 JERRY M ANDES & ETAL TAX ID\*1801900020  
6200 MABLETON PKWY SW  
REQ'D TEMP. EASMT. DE100

PNT	OFFSET/	STATION/	ALIGNMENT
DE10087	49.62 L	140+00.00	Mableton Pkwy
DE10088	62.00 L	140+06.00	Mableton Pkwy
DE10089	62.00 L	140+21.00	Mableton Pkwy
DE10090	70.00 L	140+83.00	Mableton Pkwy
DE10091	70.00 L	141+18.15	Mableton Pkwy
DE10092	54.23 L	141+11.66	Mableton Pkwy
DE10087	49.62 L	140+00.00	Mableton Pkwy
READ EASMT AREA = 1615.89 SF			

SEE SHEET 3

PAR \*1 JERRY M ANDES & ETAL TAX ID\*1801900020  
6200 MABLETON PKWY SW  
REQ'D DRWY. EASMT. DE101

PNT	OFFSET/	STATION/	ALIGNMENT
DE10089	62.00 L	140+21.00	Mableton Pkwy
DE10204	79.00 L	140+27.00	Mableton Pkwy
DE10205	79.00 L	140+78.00	Mableton Pkwy
DE10090	70.00 L	140+83.00	Mableton Pkwy
DE10089	62.00 L	140+21.00	Mableton Pkwy

SEE SHEET 3

PAR \*2 IGLESIA MISIONERA ROCA DE SALVACION INC TAX ID\*18019000030  
6170 MABLETON PKWY  
REQ'D R/W DE178

PNT	OFFSET/	DIST	STATION/	BEARING	ALIGNMENT
DE10291	70.38 L		142+91.95		Mableton Pkwy
		30.69		S 83°13'27.9" W	
DE10292	100.00 L		143+00.00		Mableton Pkwy
		20.00		N 21°58'31.6" W	
DE10293	100.00 L		143+20.00		Mableton Pkwy
		29.64		N 76°38'59.9" E	
DE10294	70.70 L		143+15.56		Mableton Pkwy
		23.60		S 22°44'58.2" E	
DE10291	70.38 L		142+91.95		Mableton Pkwy
READ R/W				641.27 SF	
READ R/W				0.015 ACRES	
REMAINDER				+/- 6.2 ACRES	

SEE SHEET 3

PAR \*2 IGLESIA MISIONERA ROCA DE SALVACION INC TAX ID\*18019000030  
6170 MABLETON PKWY  
REQ'D TEMP. EASMT. AREA 1 DE179

PNT	OFFSET/	STATION/	ALIGNMENT	
DE10092	54.23 L	141+11.66	Mableton Pkwy	
DE10295	95.00 L	141+28.43	Mableton Pkwy	
DE10296	95.00 L	142+80.00	Mableton Pkwy	
DE10292	100.00 L	143+00.00	Mableton Pkwy	
DE10291	70.38 L	142+91.95	Mableton Pkwy	
DE10297	48.90 L	142+92.00	Mableton Pkwy	
DE10092	54.23 L	141+11.66	Mableton Pkwy	
READ EASMT				7617.95 SF
READ EASMT				0.175 ACRES

SEE SHEETS 3 & 4

PAR \*2 IGLESIA MISIONERA ROCA DE SALVACION INC TAX ID\*18019000030  
6170 MABLETON PKWY  
REQ'D TEMP. EASMT. AREA 2 DE180

PNT	OFFSET/	STATION/	ALIGNMENT
DE10298	45.72 L	143+12.79	Mableton Pkwy
DE10294	70.70 L	143+15.56	Mableton Pkwy
DE10293	100.00 L	143+20.00	Mableton Pkwy
DE10299	90.00 L	143+75.00	Mableton Pkwy
DE10300	60.00 L	144+75.00	Mableton Pkwy
DE10301	70.00 L	145+25.00	Mableton Pkwy
DE10302	76.00 L	146+00.00	Mableton Pkwy
DE10303	70.00 L	146+69.69	Mableton Pkwy
DE10304	44.73 L	146+45.50	Mableton Pkwy
ARC LENGTH			65.40
CHORD BEAR			S 22°00'18.9" E
LNTH CHORD			65.40
RADIUS			2871.58
DEGREE			1°59'43.0"
DE10305	45.44 L	145+79.08	Mableton Pkwy
		266.29	S 21°55'00.0" E
DE10298	45.72 L	143+12.79	Mableton Pkwy
READ EASMT			10506.24 SF
READ EASMT			0.241 ACRES

SEE SHEETS 4 & 5

PAR \*4 ELLENWOOD MCRE LP TAX ID\*18015600270  
6116 MABLETON PKWY  
REQ'D R/W DE106

PNT	OFFSET/	DIST	STATION/	BEARING	ALIGNMENT
DE10003	43.00 L		149+46.66		Mableton Pkwy
ARC LENGTH				262.57	
CHORD BEAR				N 31°50'01.8" W	
LNTH CHORD				262.48	
RADIUS				2867.00	
DEGREE				1°59'54.4"	
DE10290	43.00 L		152+13.16		Mableton Pkwy
				S 55°30'16.6" W	
DE10264	49.52 L		152+13.16		Mableton Pkwy
				W 34°29'43.4" W	
DE10265	49.43 L		152+37.51		Mableton Pkwy
				N 55°03'47.5" E	
DE10005	43.00 L		152+37.51		Mableton Pkwy
				N 34°56'12.5" W	
DE10006	43.00 L		153+74.19		Mableton Pkwy
				N 68°41'56.2" E	
DE10007	39.50 L		153+73.34		Mableton Pkwy
				S 34°43'00.0" E	
DE10008	40.04 L		152+28.63		Mableton Pkwy
ARC LENGTH				279.19	
CHORD BEAR				S 31°49'11.1" E	
LNTH CHORD				279.08	
RADIUS				2837.43	
DEGREE				2°01'09.4"	
DE10004	40.80 L		149+45.50		Mableton Pkwy
				S 88°06'52.9" W	
DE10003	43.00 L		149+46.66		Mableton Pkwy
READ R/W				1348.35 SF	
READ R/W				0.031 ACRES	
REMAINDER				+/- 1.8 ACRES	

SEE SHEETS 4 & 5

PAR \*4 ELLENWOOD MCRE LP TAX ID\*18015600270  
6116 MABLETON PKWY  
REQ'D DRWY. EASMT. AREA 1 DE108

PNT	OFFSET/	STATION/	ALIGNMENT
DE10097	51.00 L	149+50.86	Mableton Pkwy
DE10208	61.00 L	149+56.17	Mableton Pkwy
DE10209	61.00 L	150+06.00	Mableton Pkwy
DE10098	51.00 L	150+09.00	Mableton Pkwy
DE10097	51.00 L	149+50.86	Mableton Pkwy

SEE SHEET 5

PAR \*5 M&R CORPORATION OF AMERICA INC TAX ID\*18015600250  
6084 MABLETON PKWY  
REQ'D TEMP. EASMT. DE110

PNT	OFFSET/	STATION/	ALIGNMENT
DE10104	46.29 L	153+74.99	Mableton Pkwy
DE10103	55.00 L	153+77.10	Mableton Pkwy
DE10105	55.00 L	154+39.20	Mableton Pkwy
DE10106	46.31 L	154+32.52	Mableton Pkwy
DE10104	46.29 L	153+74.99	Mableton Pkwy
READ EASMT AREA			520.32 SF

SEE SHEET 5

PAR \*5 M&R CORPORATION OF AMERICA INC TAX ID\*18015600250  
6084 MABLETON PKWY  
REQ'D DRWY. EASMT. DE111

PNT	OFFSET/	STATION/	ALIGNMENT
DE10103	55.00 L	153+77.10	Mableton Pkwy
DE10211	65.00 L	153+79.53	Mableton Pkwy
DE10212	65.00 L	154+46.90	Mableton Pkwy
DE10105	55.00 L	154+39.20	Mableton Pkwy
DE10103	55.00 L	153+77.10	Mableton Pkwy

SEE SHEETS 4 & 5

PAR \*4 ELLENWOOD MCRE LP TAX ID\*18015600270  
6116 MABLETON PKWY  
REQ'D TEMP. EASMT. DE107

PNT	OFFSET/	STATION/	ALIGNMENT
DE10290	43.00 L	152+13.16	Mableton Pkwy
ARC LENGTH			262.57
CHORD BEAR			S 31°50'01.8" E
LNTH CHORD			262.48
RADIUS			2867.00
DEGREE			1°59'54.4"
DE10003	43.00 L	149+46.66	Mableton Pkwy
DE10097	51.00 L	149+50.86	Mableton Pkwy
DE10098	51.00 L	150+09.00	Mableton Pkwy
DE10099	49.00 L	151+71.00	Mableton Pkwy
DE10270	49.39 L	152+08.07	Mableton Pkwy
DE10271	54.51 L	152+08.06	Mableton Pkwy
DE10272	54.42 L	152+39.64	Mableton Pkwy
DE10273	49.35 L	152+39.60	Mableton Pkwy
DE10100	49.00 L	153+00.00	Mableton Pkwy
DE10101	49.00 L	153+55.00	Mableton Pkwy
DE10102	55.00 L	153+77.10	Mableton Pkwy
DE10103	55.00 L	153+77.10	Mableton Pkwy
DE10006	43.00 L	153+74.19	Mableton Pkwy
DE10005	43.00 L	152+37.51	Mableton Pkwy
DE10265	49.43 L	152+37.51	Mableton Pkwy
DE10264	49.52 L	152+13.16	Mableton Pkwy
DE10290	43.00 L	152+13.16	Mableton Pkwy
READ EASMT			3092.60 SF
READ EASMT			0.071 ACRES

SEE SHEET 5

PAR \*4 ELLENWOOD MCRE LP TAX ID\*18015600270  
6116 MABLETON PKWY  
REQ'D DRWY. EASMT. AREA 1 DE108

PNT	OFFSET/	STATION/	ALIGNMENT
DE10097	51.00 L	149+50.86	Mableton Pkwy
DE10208	61.00 L	149+56.17	Mableton Pkwy
DE10209	61.00 L	150+06.00	Mableton Pkwy
DE10098	51.00 L	150+09.00	Mableton Pkwy
DE10097	51.00 L	149+50.86	Mableton Pkwy

SEE SHEET 5

PAR \*4 ELLENWOOD MCRE LP TAX ID\*18015600270  
6116 MABLETON PKWY  
REQ'D DRWY. EASMT. AREA 2 DE109

PNT	OFFSET/	STATION/	ALIGNMENT
DE10100	49.00 L	153+00.00	Mableton Pkwy
DE10210	55.00 L	153+00.00	Mableton Pkwy
DE10102	55.00 L	153+55.00	Mableton Pkwy
DE10101	49.00 L	153+55.00	Mableton Pkwy
DE10100	49.00 L	153+00.00	Mableton Pkwy

SEE SHEET 5

PAR \*5 M&R CORPORATION OF AMERICA INC TAX ID\*18015600250  
6084 MABLETON PKWY  
REQ'D TEMP. EASMT. DE110

PNT	OFFSET/	STATION/	ALIGNMENT
DE10104	46.29 L	153+74.99	Mableton Pkwy
DE10103	55.00 L	153+77.10	Mableton Pkwy
DE10105	55.00 L	154+39.20	Mableton Pkwy
DE10106	46.31 L	154+32.52	Mableton Pkwy
DE10104	46.29 L	153+74.99	Mableton Pkwy
READ EASMT AREA			520.32 SF

SEE SHEET 5

PAR \*5 M&R CORPORATION OF AMERICA INC TAX ID\*18015600250  
6084 MABLETON PKWY  
REQ'D DRWY. EASMT. DE111

PNT	OFFSET/	STATION/	ALIGNMENT
DE10103	55.00 L	153+77.10	Mableton Pkwy
DE10211	65.00 L	153+79.53	Mableton Pkwy
DE10212	65.00 L	154+46.90	Mableton Pkwy
DE10105	55.00 L	154+39.20	Mableton Pkwy
DE10103	55.00 L	153+77.10	Mableton Pkwy

SEE SHEET 7

PAR \*6 ASMAQU YUNUSA TAX ID\*18007800510  
5990 MABLETON PKWY  
REQ'D R/W DE119

PNT	OFFSET/	DIST	STATION/	BEARING	ALIGNMENT
DE10026	49.98 L		165+03.00		Mableton Pkwy
		27.44		N 46°31'29.4" W	
DE10027	28.25 R		499+41.00		Old Powder Springs Rd
		17.48		S 67°24'29.8" E	
DE10028	49.98 L		165+15.43		Mableton Pkwy
ARC LENGTH				12.74	
CHORD BEAR				S 17°13'24.3" E	
LNTH CHORD				12.74	
RADIUS				2103.53	
DEGREE				2°43'25.7"	
DE10026	49.98 L		165+03.00		Mableton Pkwy
READ R/W				85.44 SF	
READ R/W				0.002 ACRES	
REMAINDER				+/- 0.72 ACRES	

SEE SHEET 7

PAR \*6 ASMAQU YUNUSA TAX ID\*18007800510  
5990 MABLETON PKWY  
REQ'D TEMP. EASMT. AREA 1 DE120

SEE SHEET 8

PAR \*8 IGLESIA PROFE'ITICA CIUDAD DE SION INC TAX ID\*18007800450  
5932 MABLETON PKWY  
REQ'D R/W TRACT 1 DE126

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10033	60.61 L	167+95.61	Mableton Pkwy
	16.11	N 72°24'48.8" W	
DE10034	75.00 L	168+02.62	Mableton Pkwy
	12.83	N 8°50'18.9" W	
DE10035	75.00 L	168+15.00	Mableton Pkwy
	14.75	S 88°43'31.5" E	
DE10036	60.48 L	168+12.53	Mableton Pkwy
	17.42		
ARC LENGTH = 17.42			
CHORD BEAR = S 8°32'25.9" E			
LNTH CHORD = 17.41			
RADIUS = 212.77			
DEGREE = 26°55'44.8"			
DE10033	60.61 L	167+95.61	Mableton Pkwy
	217.02	SF	
	0.005	ACRES	

SEE SHEET 8

PAR \*8 IGLESIA PROFE'ITICA CIUDAD DE SION INC TAX ID\*18007800450  
5932 MABLETON PKWY  
REQ'D R/W TRACT 2 DE127

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10037	45.72 L	168+11.96	Mableton Pkwy
	1.28	S 83°32'02.5" W	
DE10038	47.00 L	168+12.01	Mableton Pkwy
	101.30		
ARC LENGTH = 101.30			
CHORD BEAR = N 7°21'55.2" W			
LNTH CHORD = 101.29			
RADIUS = 2097.00			
DEGREE = 2°43'56.2"			
DE10039	47.00 L	169+11.04	Mableton Pkwy
	46.16	N 5°58'53.0" W	
DE10040	47.00 L	169+57.19	Mableton Pkwy
	1.15	S 88°42'05.2" E	
DE10041	45.85 L	169+57.05	Mableton Pkwy
	44.44	S 5°39'32.0" E	
DE10042	46.10 L	169+12.61	Mableton Pkwy
	102.87		
ARC LENGTH = 102.87			
CHORD BEAR = S 7°33'34.6" E			
LNTH CHORD = 102.86			
RADIUS = 2563.83			
DEGREE = 2°14'05.2"			
DE10037	45.72 L	168+11.96	Mableton Pkwy
	165.20	SF	
	0.004	ACRES	

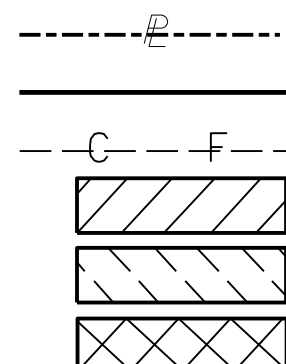
REQ'D R/W TRACT 1 = 0.005 ACRES  
REQ'D R/W TRACT 2 = 0.004 ACRES  
TOTAL REQ'D R/W = 0.009 ACRES  
REMAINDER = +/- 0.87 ACRES

SEE SHEET 8

PAR \*8 IGLESIA PROFE'ITICA CIUDAD DE SION INC TAX ID\*18007800450  
5932 MABLETON PKWY  
REQ'D TEMP. EASMT. DE128

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10034	75.00 L	168+02.62	Mableton Pkwy
DE10125	79.00 L	168+04.55	Mableton Pkwy
DE10126	84.00 L	168+86.00	Mableton Pkwy
DE10127	81.00 L	169+37.00	Mableton Pkwy
DE10128	69.00 L	169+60.00	Mableton Pkwy
DE10040	47.00 L	169+57.19	Mableton Pkwy
DE10039	47.00 L	169+11.04	Mableton Pkwy
ARC LENGTH = 101.30			
CHORD BEAR = S 7°21'55.2" E			
LNTH CHORD = 101.29			
RADIUS = 2097.00			
DEGREE = 2°43'56.2"			
DE10038	47.00 L	168+12.01	Mableton Pkwy
DE10036	60.48 L	168+12.53	Mableton Pkwy
DE10035	75.00 L	168+15.00	Mableton Pkwy
ARC LENGTH = 12.83			
CHORD BEAR = S 8°50'18.9" E			
LNTH CHORD = 12.83			
RADIUS = 2125.00			
DEGREE = 2°41'46.6"			
DE10034	75.00 L	168+02.62	Mableton Pkwy
	5082.23	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



SEE SHEET 8

PAR \*8 IGLESIA PROFE'ITICA CIUDAD DE SION INC TAX ID\*18007800450  
5932 MABLETON PKWY  
REQ'D DRWY. EASMT. DE129

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10127	81.00 L	169+37.00	Mableton Pkwy
DE10220	86.00 L	169+48.00	Mableton Pkwy
DE10221	81.00 L	169+61.54	Mableton Pkwy
DE10128	69.00 L	169+60.00	Mableton Pkwy
DE10127	81.00 L	169+37.00	Mableton Pkwy

SEE SHEET 8

PAR \*9 1680 UNION ATLANTA USA INC TAX ID\*18007800610  
MABLETON PKWY  
REQ'D R/W DE130

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10041	45.85 L	169+57.05	Mableton Pkwy
	1.15	N 88°42'05.2" W	
DE10040	47.00 L	169+57.19	Mableton Pkwy
	16.20	N 5°58'53.0" W	
DE10043	47.00 L	169+73.39	Mableton Pkwy
	1.12	S 88°05'14.5" E	
DE10044	45.89 L	169+73.24	Mableton Pkwy
	16.19	S 6°06'23.2" E	
DE10041	45.85 L	169+57.05	Mableton Pkwy
	18.26	SF	
	0.000	ACRES	
	+/- 0.12	ACRES	

SEE SHEET 8

PAR \*9 1680 UNION ATLANTA USA INC TAX ID\*18007800610  
MABLETON PKWY  
REQ'D TEMP. EASMT. DE131

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10040	47.00 L	169+57.19	Mableton Pkwy
DE10128	69.00 L	169+60.00	Mableton Pkwy
DE10129	66.00 L	169+76.03	Mableton Pkwy
DE10043	47.00 L	169+73.39	Mableton Pkwy
DE10040	47.00 L	169+57.19	Mableton Pkwy
	334.36	SF	

SEE SHEET 8

PAR \*9 1680 UNION ATLANTA USA INC TAX ID\*18007800610  
MABLETON PKWY  
REQ'D DRWY. EASMT. DE132

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10128	69.00 L	169+60.00	Mableton Pkwy
DE10221	81.00 L	169+61.54	Mableton Pkwy
DE10222	72.00 L	169+76.86	Mableton Pkwy
DE10129	66.00 L	169+76.03	Mableton Pkwy
DE10128	69.00 L	169+60.00	Mableton Pkwy

SEE SHEET 8

PAR \*10 1680 FOUNDATION OF GEORGIA USA INC TAX ID\*18007800430  
5912 MABLETON PKWY  
REQ'D TEMP. EASMT. DE133

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10044	45.89 L	169+73.24	Mableton Pkwy
DE10129	66.00 L	169+76.03	Mableton Pkwy
DE10130	55.00 L	170+02.00	Mableton Pkwy
DE10131	54.00 L	170+42.00	Mableton Pkwy
DE10132	54.00 L	170+92.11	Mableton Pkwy
DE10133	45.54 L	170+91.81	Mableton Pkwy
DE10044	45.89 L	169+73.24	Mableton Pkwy
	1178.21	SF	

SEE SHEET 8

PAR \*10 1680 FOUNDATION OF GEORGIA USA INC TAX ID\*18007800430  
5912 MABLETON PKWY  
REQ'D DRWY. EASMT. DE134

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10131	54.00 L	170+42.00	Mableton Pkwy
DE10223	66.00 L	170+50.00	Mableton Pkwy
DE10224	66.00 L	170+92.54	Mableton Pkwy
DE10132	54.00 L	170+92.11	Mableton Pkwy
DE10131	54.00 L	170+42.00	Mableton Pkwy

SEE SHEETS 8 & 9

PAR \*11 CATHERINE R BASS TAX ID\*18007800530  
5900 MABLETON PKWY  
REQ'D TEMP. EASMT. DE135

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10133	45.54 L	170+91.81	Mableton Pkwy
DE10132	54.00 L	170+92.11	Mableton Pkwy
DE10134	54.00 L	172+00.00	Mableton Pkwy
DE10135	58.00 L	172+10.83	Mableton Pkwy
DE10136	45.16 L	172+11.68	Mableton Pkwy
DE10133	45.54 L	170+91.81	Mableton Pkwy
	1055.12	SF	

SEE SHEET 8

PAR \*11 CATHERINE R BASS TAX ID\*18007800530  
5900 MABLETON PKWY  
REQ'D DRWY. EASMT. DE136

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10132	54.00 L	170+92.11	Mableton Pkwy
DE10225	69.00 L	170+92.65	Mableton Pkwy
DE10226	69.00 L	171+48.00	Mableton Pkwy
DE10250	54.00 L	171+48.00	Mableton Pkwy
DE10132	54.00 L	170+92.11	Mableton Pkwy

SEE SHEET 9

PAR \*12 5880 MABLETON PARKWAY LLC TAX ID\*18007800440  
5880 MABLETON PKWY  
REQ'D R/W DE137

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10045	44.73 L	173+29.00	Mableton Pkwy
	2.27	S 84°01'07.0" W	
DE10046	47.00 L	173+29.00	Mableton Pkwy
	52.02	N 5°58'47.7" W	
DE10047	47.00 L	173+81.02	Mableton Pkwy
	2.46	N 85°27'33.0" E	
DE10048	44.54 L	173+80.96	Mableton Pkwy
	51.96	S 5°46'13.1" E	
DE10045	44.73 L	173+29.00	Mableton Pkwy
	123.04	SF	
	0.003	ACRES	
	+/- 0.68	ACRES	

SEE SHEET 9

PAR \*12 5880 MABLETON PARKWAY LLC TAX ID\*18007800440  
5880 MABLETON PKWY  
REQ'D TEMP. EASMT. DE138

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10136	45.16 L	172+11.68	Mableton Pkwy
DE10135	58.00 L	172+10.83	Mableton Pkwy
DE10137	54.00 L	172+40.00	Mableton Pkwy
DE10251	54.00 L	172+77.00	Mableton Pkwy
DE10138	61.00 L	173+46.00	Mableton Pkwy
DE10139	45.00 R	519+00.00	Old Alabama Rd
DE10047	47.00 L	173+81.02	Mableton Pkwy
DE10046	47.00 L	173+29.00	Mableton Pkwy
DE10045	44.73 L	173+29.00	Mableton Pkwy
DE10136	45.16 L	172+11.68	Mableton Pkwy
	2083.12	SF	

SEE SHEET 9

PAR \*12 5880 MABLETON PARKWAY LLC TAX ID\*18007800440  
5880 MABLETON PKWY  
REQ'D DRWY. EASMT. DE139

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10251	54.00 L	172+77.00	Mableton Pkwy
DE10227	74.00 L	172+94.00	Mableton Pkwy
DE10228	74.00 L	173+36.00	Mableton Pkwy
DE10138	61.00 L	173+46.00	Mableton Pkwy
DE10251	54.00 L	172+77.00	Mableton Pkwy

SEE SHEET 9

PAR \*13 SSCS LLC TAX ID\*18007800010  
5846 MABLETON PKWY  
REQ'D R/W DE140

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10049	49.23 L	174+62.46	Mableton Pkwy
	23.82	S 55°14'08.1" W	
DE10050	17.73 L	519+30.00	Old Alabama Rd
	44.31	N 22°19'10.0" E	
DE10051	49.10 L	174+90.00	Mableton Pkwy
	27.54	S 5°42'46.2" E	
DE10049	49.23 L	174+62.46	Mableton Pkwy
	286.74	SF	
	0.007	ACRES	
	+/- 1.5	ACRES	

SEE SHEET 9

PAR \*13 SSCS LLC TAX ID\*18007800010  
5846 MABLETON PKWY  
REQ'D TEMP. EASMT. DE141

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10050	17.73 L	519+30.00	Old Alabama Rd
DE10140	17.56 L	519+17.00	Old Alabama Rd
DE10141	60.00 L	174+80.00	Mableton Pkwy
DE10143	55.00 L	176+16.00	Mableton Pkwy
DE10144	48.37 L	176+46.46	Mableton Pkwy
DE10051	49.10 L	174+90.00	Mableton Pkwy
DE10050	17.73 L	519+30.00	Old Alabama Rd
	1464.82	SF	

SEE SHEET 9

PAR \*13 SSCS LLC TAX ID\*18007800010  
5846 MABLETON PKWY  
REQ'D DRWY. EASMT. DE142

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10142	57.17 L	175+57.00	Mableton Pkwy
DE10229	68.00 L	175+64.00	Mableton Pkwy
DE10230	68.00 L	176+09.00	Mableton Pkwy
DE10143	55.00 L	176+16.00	Mableton P

SEE SHEET 10  
PAR \*16 JANET N YANCEY TAX ID\*18003900190  
5800 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE148

PNT	OFFSET/	STATION/	ALIGNMENT
DE10150	52.00 L	180+17.98	Wableton Pkwy
DE10231	71.00 L	180+19.72	Wableton Pkwy
DE10232	66.00 L	180+51.00	Wableton Pkwy
DE10151	56.04 L	180+55.00	Wableton Pkwy
DE10150	52.00 L	180+17.98	Wableton Pkwy

SEE SHEET 10  
PAR \*17 PEACHTREE INVESTMENT PROPERTIES LLC TAX ID\*18003900180  
5796 WABLETON PKWY  
REQ'D R/W DE149

PNT	OFFSET/	STATION/	ALIGNMENT
DE10058	44.13 L	181+17.08	Wableton Pkwy
DE10057	47.00 L	181+17.36	Wableton Pkwy
DE10059	47.00 L	182+17.80	Wableton Pkwy
DE10060	45.95 L	182+17.70	Wableton Pkwy
DE10058	44.13 L	181+17.08	Wableton Pkwy
REOD R/W = 197.06 SF REOD R/W = 0.005 ACRES REMAINDER = +/- 0.60 ACRES			

SEE SHEET 10  
PAR \*17 PEACHTREE INVESTMENT PROPERTIES LLC TAX ID\*18003900180  
5796 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE150

PNT	OFFSET/	STATION/	ALIGNMENT
DE10057	47.00 L	181+17.36	Wableton Pkwy
DE10152	63.00 L	181+18.87	Wableton Pkwy
DE10153	63.00 L	181+35.00	Wableton Pkwy
DE10154	62.00 L	181+96.00	Wableton Pkwy
DE10155	61.00 L	182+19.11	Wableton Pkwy
DE10059	47.00 L	182+17.80	Wableton Pkwy
DE10057	47.00 L	181+17.36	Wableton Pkwy
REOD EASMT AREA = 1541.79 SF			

SEE SHEET 10  
PAR \*17 PEACHTREE INVESTMENT PROPERTIES LLC TAX ID\*18003900180  
5796 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE151

PNT	OFFSET/	STATION/	ALIGNMENT
DE10153	63.00 L	181+35.00	Wableton Pkwy
DE10233	73.00 L	181+39.00	Wableton Pkwy
DE10234	73.00 L	181+93.00	Wableton Pkwy
DE10154	62.00 L	181+96.00	Wableton Pkwy
DE10153	63.00 L	181+35.00	Wableton Pkwy

SEE SHEETS 10 & 11  
PAR \*18 MOND IGBINOWANHIA TAX ID\*18003900170  
5786 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE152

PNT	OFFSET/	STATION/	ALIGNMENT
DE10060	45.95 L	182+17.70	Wableton Pkwy
DE10155	61.00 L	182+19.11	Wableton Pkwy
DE10156	58.00 L	182+71.00	Wableton Pkwy
DE10157	63.00 L	183+18.98	Wableton Pkwy
DE10061	49.27 L	183+17.64	Wableton Pkwy
DE10060	45.95 L	182+17.70	Wableton Pkwy
REOD EASMT AREA = 1232.33 SF			

SEE SHEETS 10 & 11  
PAR \*18 MOND IGBINOWANHIA TAX ID\*18003900170  
5786 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE153

PNT	OFFSET/	STATION/	ALIGNMENT
DE10155	61.00 L	182+19.11	Wableton Pkwy
DE10235	67.00 L	182+19.68	Wableton Pkwy
DE10236	67.00 L	182+71.00	Wableton Pkwy
DE10156	58.00 L	182+71.00	Wableton Pkwy
DE10155	61.00 L	182+19.11	Wableton Pkwy

SEE SHEET 11  
PAR \*19 ERIK GABRIEL HERNANDEZ ZEFERINO TAX ID\*18003900160  
5776 WABLETON PKWY  
REQ'D R/W TRACT 1 DE154

PNT	OFFSET/	STATION/	ALIGNMENT
DE10061	49.27 L	183+17.64	Wableton Pkwy
DE10062	52.00 L	183+17.91	Wableton Pkwy
DE10063	52.00 L	183+25.39	Wableton Pkwy
ARC LENGTH = 69.54 CHORD BEAR = N 7°00'52.5" E LNTH CHORD = 69.53 RADIUS = 1928.00 DEGREE = 2°58'18.4"			
DE10064	52.00 L	183+96.80	Wableton Pkwy
DE10065	50.45 L	183+96.86	Wableton Pkwy
DE10066	49.54 L	183+33.91	Wableton Pkwy
DE10061	49.27 L	183+17.64	Wableton Pkwy
REOD R/W = 154.27 SF REOD R/W = 0.004 ACRES			

SEE SHEET 11  
PAR \*19 ERIK GABRIEL HERNANDEZ ZEFERINO TAX ID\*18003900160  
5776 WABLETON PKWY  
REQ'D R/W TRACT 2 DE155

PNT	OFFSET/	STATION/	ALIGNMENT
DE10067	76.53 L	183+95.80	Wableton Pkwy
DE10068	94.00 L	184+00.00	Wableton Pkwy
DE10069	92.00 L	184+31.29	Wableton Pkwy
DE10070	75.99 L	184+28.80	Wableton Pkwy
DE10067	76.53 L	183+95.80	Wableton Pkwy
REOD R/W TRACT 1 = 0.004 ACRES REOD R/W TRACT 2 = 0.012 ACRES TOTAL REOD R/W = 0.016 ACRES REMAINDER = +/- 0.88 ACRES			

SEE SHEET 11  
PAR \*19 ERIK GABRIEL HERNANDEZ ZEFERINO TAX ID\*18003900160  
5776 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE156

PNT	OFFSET/	STATION/	ALIGNMENT
DE10062	52.00 L	183+17.91	Wableton Pkwy
DE10157	63.00 L	183+18.98	Wableton Pkwy
DE10158	65.00 L	183+39.00	Wableton Pkwy
DE10159	96.00 L	183+75.00	Wableton Pkwy
DE10068	94.00 L	184+00.00	Wableton Pkwy
DE10067	76.53 L	183+95.80	Wableton Pkwy
DE10064	52.00 L	183+96.80	Wableton Pkwy
ARC LENGTH = 69.54 CHORD BEAR = S 7°00'52.5" E LNTH CHORD = 69.53 RADIUS = 1928.00 DEGREE = 2°58'18.4"			
DE10063	52.00 L	183+25.39	Wableton Pkwy
DE10062	52.00 L	183+17.91	Wableton Pkwy
REOD EASMT AREA = 2149.75 SF			

SEE SHEET 11  
PAR \*19 ERIK GABRIEL HERNANDEZ ZEFERINO TAX ID\*18003900160  
5776 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE157

PNT	OFFSET/	STATION/	ALIGNMENT
DE10157	63.00 L	183+18.98	Wableton Pkwy
DE10237	71.00 L	183+19.76	Wableton Pkwy
DE10238	72.00 L	183+38.00	Wableton Pkwy
DE10158	65.00 L	183+39.00	Wableton Pkwy
DE10157	63.00 L	183+18.98	Wableton Pkwy

SEE SHEET 11  
PAR \*20 INB HOLDINGS LLC TAX ID\*18003900140  
5746 WABLETON PKWY  
REQ'D R/W DE158

PNT	OFFSET/	STATION/	ALIGNMENT
DE10071	50.24 L	184+25.04	Wableton Pkwy
DE10072	52.00 L	184+25.30	Wableton Pkwy
ARC LENGTH = 62.03 CHORD BEAR = N 9°47'39.0" W LNTH CHORD = 62.02 RADIUS = 1928.00 DEGREE = 2°58'18.4"			
DE10073	52.00 L	184+89.00	Wableton Pkwy
ARC LENGTH = 62.33 CHORD BEAR = S 11°24'43.0" E LNTH CHORD = 62.32 RADIUS = 2643.87 DEGREE = 2°10'01.6"			
DE10071	50.24 L	184+25.04	Wableton Pkwy
REOD R/W = 51.88 SF REOD R/W = 0.001 ACRES REMAINDER = +/- 1.8 ACRES			

SEE SHEET 11  
PAR \*20 INB HOLDINGS LLC TAX ID\*18003900140  
5746 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE159

PNT	OFFSET/	STATION/	ALIGNMENT
DE10072	52.00 L	184+25.30	Wableton Pkwy
DE10070	75.99 L	184+28.80	Wableton Pkwy
DE10069	92.00 L	184+31.29	Wableton Pkwy
DE10160	90.00 L	184+60.00	Wableton Pkwy
DE10161	70.00 L	185+43.00	Wableton Pkwy
DE10162	70.00 L	185+86.00	Wableton Pkwy
DE10163	65.00 L	186+49.63	Wableton Pkwy
DE10164	54.02 L	186+46.74	Wableton Pkwy
ARC LENGTH = 153.51 CHORD BEAR = S 13°45'02.5" E LNTH CHORD = 153.49 RADIUS = 2643.87 DEGREE = 2°10'01.6"			
DE10073	52.00 L	184+89.00	Wableton Pkwy
ARC LENGTH = 62.03 CHORD BEAR = S 9°47'39.0" E LNTH CHORD = 62.02 RADIUS = 1928.00 DEGREE = 2°58'18.4"			
DE10072	52.00 L	184+25.30	Wableton Pkwy
REOD EASMT AREA = 4970.53 SF			

SEE SHEET 11  
PAR \*20 INB HOLDINGS LLC TAX ID\*18003900140  
5746 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE160

PNT	OFFSET/	STATION/	ALIGNMENT
DE10161	70.00 L	185+43.00	Wableton Pkwy
DE10239	93.00 L	185+53.00	Wableton Pkwy
DE10240	88.00 L	185+81.00	Wableton Pkwy
DE10162	70.00 L	185+86.00	Wableton Pkwy
DE10161	70.00 L	185+43.00	Wableton Pkwy

SEE SHEET 13  
PAR \*22 COBB COUNTY TAX ID\*17003700390  
5656 WABLETON PKWY  
REQ'D R/W DE166

PNT	OFFSET/	STATION/	ALIGNMENT
DE10077	53.91 L	194+12.52	Wableton Pkwy
DE10078	66.00 L	194+16.00	Wableton Pkwy
DE10079	63.00 L	194+35.00	Wableton Pkwy
DE10080	52.90 L	194+35.00	Wableton Pkwy
ARC LENGTH = 21.89 CHORD BEAR = S 35°06'54.6" E LNTH CHORD = 21.89 RADIUS = 1046.66 DEGREE = 5°28'26.9"			
DE10077	53.91 L	194+12.52	Wableton Pkwy
REOD R/W = 227.35 SF REOD R/W = 0.005 ACRES REMAINDER = +/- 0.82 ACRES			

SEE SHEET 13  
PAR \*22 COBB COUNTY TAX ID\*17003700390  
5656 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE167

PNT	OFFSET/	STATION/	ALIGNMENT
DE10080	52.90 L	194+35.00	Wableton Pkwy
DE10181	59.00 L	194+35.00	Wableton Pkwy
DE10182	58.00 L	194+63.00	Wableton Pkwy
DE10183	58.00 L	195+23.00	Wableton Pkwy
DE10184	62.00 L	195+64.92	Wableton Pkwy
DE10185	51.11 L	195+62.23	Wableton Pkwy
ARC LENGTH = 123.95 CHORD BEAR = S 39°06'24.9" E LNTH CHORD = 123.88 RADIUS = 1046.66 DEGREE = 5°28'26.9"			
DE10080	52.90 L	194+35.00	Wableton Pkwy
REOD EASMT AREA = 921.71 SF			

SEE SHEET 13  
PAR \*22 COBB COUNTY TAX ID\*17003700390  
5656 WABLETON PKWY  
REQ'D DRWY. EASM'T. DE168

PNT	OFFSET/	STATION/	ALIGNMENT
DE10182	58.00 L	194+63.00	Wableton Pkwy
DE10241	71.00 L	194+68.00	Wableton Pkwy
DE10183	58.00 L	195+23.00	Wableton Pkwy
DE10182	58.00 L	194+63.00	Wableton Pkwy

SEE SHEET 13  
PAR \*23 NATIONAL LOCATORS INC TAX ID\*17003700380  
5648 WABLETON PKWY  
REQ'D TEMP. EASM'T. DE169

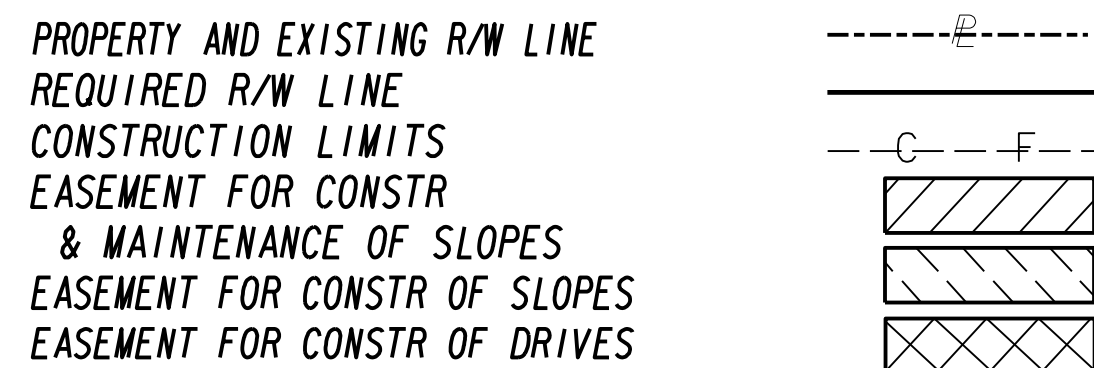
PNT	OFFSET/	STATION/	ALIGNMENT
DE10185	51.11 L	195+62.23	Wableton Pkwy
DE10184	62.00 L	195+64.92	Wableton Pkwy
DE10186	62.00 L	195+88.00	Wableton Pkwy
DE10187	59.00 L	196+21.00	Wableton Pkwy
DE10189	62.00 L	197+04.00	Wableton Pkwy
DE10190	59.00 L	197+67.59	Wableton Pkwy
DE10191	51.18 L	197+65.57	Wableton Pkwy
DE10185	51.11 L	195+62.23	Wableton Pkwy
REOD EASMT AREA = 1543.38 SF			

SEE SHEET 13  
PAR \*23 NATIONAL LOCATORS INC TAX ID\*17003700380  
5648 WABLETON PKWY  
REQ'D DRWY. EASM'T. AREA 1 DE170

PNT	OFFSET/	STATION/	ALIGNMENT
DE10186	62.00 L	195+88.00	Wableton Pkwy
DE10242	72.00 L	195+95.00	Wableton Pkwy
DE10243	71.00 L	196+12.00	Wableton Pkwy
DE10187	59.00 L	196+21.00	Wableton Pkwy
DE10186	62.00 L	195+88.00	Wableton Pkwy

SEE SHEET 13  
PAR \*23 NATIONAL LOCATORS INC TAX ID\*17003700380  
5648 WABLETON PKWY  
REQ'D DRWY. EASM'T. AREA 2 DE171

PNT	OFFSET/	STATION/	ALIGNMENT
DE10188	60.94 L	196+63.00	Wableton Pkwy
DE10244	70.00 L	196+65.00	Wableton Pkwy
DE10245	70.00 L	196+98.00	Wableton Pkwy
DE10189	62.00 L	197+04.00	Wableton Pkwy
DE10188	60.94 L	196+63.00	Wableton Pkwy



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

NO SCALE



DATE	REVISIONS
5/5/2022	SHIFT TABLES, ADDED SHEET 19
5/3/2023	SHIFT TABLES, PAR *21 REMOVED TABLES FOR REQ'D R/W AND EASMT'S

COBB COUNTY  
DEPARTMENT OF TRANSPORTATION  
RIGHT OF WAY MAP  
PROJECT NO: X2770 COUNTY: COBB  
LAND LOT NO: 35, 36, 37, 38, 39,  
40, 77, 78, 155, 156, 189, 190  
LAND DISTRICT: 17, 18  
GMD: 895  
DATE: 11/08/21 SH 18 OF 19

DRAWING No.  
60-0018

SEE SHEETS 13 & 14

PAR \*24 CHARISMA ONE ENTERPRISES LLC TAX ID\*17003700270  
5638 WABLETON PKWY  
REQ'D TEMP. EASMT. DE172

PNT	OFFSET/	STATION/	ALIGNMENT
DE10192	45.61 L	198+20.39	Mableton Pkwy
DE10193	62.00 L	198+23.52	Mableton Pkwy
DE10195	62.00 L	199+28.00	Mableton Pkwy
DE10196	54.15 L	199+38.00	Mableton Pkwy
DE10192	45.61 L	198+20.39	Mableton Pkwy

REOD EASMT AREA = 1347.57 SF

SEE SHEET 13

PAR \*24 CHARISMA ONE ENTERPRISES LLC TAX ID\*17003700270  
5638 WABLETON PKWY  
REQ'D DRWY. EASMT. DE173

PNT	OFFSET/	STATION/	ALIGNMENT
DE10193	62.00 L	198+23.52	Mableton Pkwy
DE10246	69.00 L	198+31.00	Mableton Pkwy
DE10194	62.05 L	198+74.00	Mableton Pkwy
DE10193	62.00 L	198+23.52	Mableton Pkwy

SEE SHEET 14

PAR \*25 DATTU & MAHEK DESAI LLC TAX ID\*17003700260  
5624 WABLETON PKWY  
REQ'D TEMP. EASMT. DE174

PNT	OFFSET/	STATION/	ALIGNMENT
DE10197	46.48 L	199+70.01	Mableton Pkwy
DE10198	56.00 L	199+70.96	Mableton Pkwy
DE10199	52.00 L	200+98.00	Mableton Pkwy
DE10200	57.00 L	201+22.39	Mableton Pkwy
DE10201	45.05 L	201+22.05	Mableton Pkwy
DE10197	46.48 L	199+70.01	Mableton Pkwy

REOD EASMT AREA = 1149.39 SF

SEE SHEET 14

PAR \*26 CHURCH OF PENTECOST USA INC TAX ID\*17003700250  
5606 WABLETON PKWY  
REQ'D TEMP. EASMT. DE175

PNT	OFFSET/	STATION/	ALIGNMENT
DE10201	45.85 L	201+22.05	Mableton Pkwy
DE10200	57.00 L	201+22.39	Mableton Pkwy
DE10202	52.00 L	202+61.00	Mableton Pkwy
DE10203	49.47 L	203+51.25	Mableton Pkwy
DE10201	45.85 L	201+22.05	Mableton Pkwy

REOD EASMT AREA = 2285.21 SF

SEE SHEET 13

PAR \*26 CHURCH OF PENTECOST USA INC TAX ID\*17003700250  
5606 WABLETON PKWY  
REQ'D DRWY. EASMT. DE176

PNT	OFFSET/	STATION/	ALIGNMENT
DE10200	57.00 L	201+22.39	Mableton Pkwy
DE10247	68.00 L	201+37.00	Mableton Pkwy
DE10248	65.00 L	201+88.00	Mableton Pkwy
DE10249	60.00 L	202+60.00	Mableton Pkwy
DE10202	52.00 L	202+61.00	Mableton Pkwy
DE10200	57.00 L	201+22.39	Mableton Pkwy

SEE SHEETS 6 & 7

PAR \*27 EMBRY DEVELOPMENT COMPANY LLC TAX ID\*18015600110  
6010 WABLETON PKWY  
REQ'D R/W DE183

PNT	OFFSET/	STATION/	ALIGNMENT
DE10618	57.26 L	158+25.00	Mableton Pkwy
	35.91	N 68°16'46.2" W	
DE10619	77.00 L	158+55.00	Mableton Pkwy
	45.94	N 34°44'24.3" W	
DE10620	77.00 L	159+00.00	Mableton Pkwy
	29.40	N 5°27'14.5" W	
DE10621	63.00 L	159+25.00	Mableton Pkwy

ARC LENGTH = 175.22  
CHORD BEAR = N 31°09'52.7" W  
LNTH CHORD = 175.17  
RADIUS = 2113.00  
DEGREE = 2°42'41.7"

PNT	OFFSET/	STATION/	ALIGNMENT
DE10622	63.00 L	160+95.00	Mableton Pkwy
	56.86	N 19°56'13.8" W	
DE10616	55.00 L	161+49.72	Mableton Pkwy
	1.93	N 62°26'39.0" E	
DE10617	53.07 L	161+49.73	Mableton Pkwy

ARC LENGTH = 271.09  
CHORD BEAR = S 30°03'05.8" E  
LNTH CHORD = 270.91  
RADIUS = 2103.53  
DEGREE = 2°43'25.7"

PNT	OFFSET/	STATION/	ALIGNMENT
DE10257	57.32 L	158+85.78	Mableton Pkwy
	61.08	S 34°57'49.4" E	
DE10618	57.26 L	158+25.00	Mableton Pkwy

REOD R/W = 3178.73 SF  
REOD R/W = 0.073 ACRES  
REMAINDER = +/- 19 ACRES

SEE SHEET 6

PAR \*27 EMBRY DEVELOPMENT COMPANY LLC TAX ID\*18015600110  
6010 WABLETON PKWY  
REQ'D TEMP. EASMT. AREA 1 DE181

PNT	OFFSET/	STATION/	ALIGNMENT
DE10601	68.00 L	155+43.58	Mableton Pkwy
DE10602	72.00 L	156+61.67	Mableton Pkwy
DE10603	57.19 L	156+61.68	Mableton Pkwy
DE10604	57.13 L	155+36.68	Mableton Pkwy
DE10601	68.00 L	155+43.58	Mableton Pkwy

REOD EASMT = 1553.62 SF  
REOD EASMT = 0.036 ACRES

SEE SHEETS 6 & 7

PAR \*27 EMBRY DEVELOPMENT COMPANY LLC TAX ID\*18015600110  
6010 WABLETON PKWY  
REQ'D TEMP. EASMT. AREA 2 DE182

PNT	OFFSET/	STATION/	ALIGNMENT
DE10606	76.00 L	157+61.67	Mableton Pkwy
DE10607	77.00 L	158+10.00	Mableton Pkwy
DE10608	88.00 L	158+40.00	Mableton Pkwy
DE10609	92.00 L	159+27.00	Mableton Pkwy
DE10610	92.00 L	160+90.00	Mableton Pkwy
DE10611	87.00 L	161+35.00	Mableton Pkwy
DE10612	75.00 L	163+05.00	Mableton Pkwy
DE10109	63.00 L	163+52.33	Mableton Pkwy
DE10110	49.96 L	163+43.24	Mableton Pkwy

ARC LENGTH = 137.25  
CHORD BEAR = S 22°49'29.1" E  
LNTH CHORD = 137.23  
RADIUS = 2103.53  
DEGREE = 2°43'25.7"

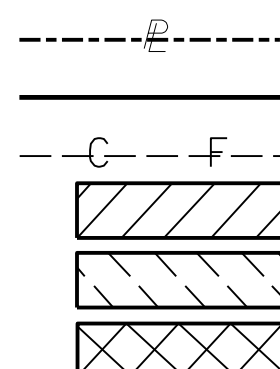
PNT	OFFSET/	STATION/	ALIGNMENT
DE10613	52.11 L	162+09.34	Mableton Pkwy
DE10614	74.14 L	162+09.23	Mableton Pkwy
DE10615	73.82 L	161+49.63	Mableton Pkwy
DE10616	55.00 L	161+49.72	Mableton Pkwy
DE10622	63.00 L	160+95.00	Mableton Pkwy

ARC LENGTH = 175.22  
CHORD BEAR = S 31°09'52.7" E  
LNTH CHORD = 175.17  
RADIUS = 2113.00  
DEGREE = 2°42'41.7"

PNT	OFFSET/	STATION/	ALIGNMENT
DE10621	63.00 L	159+25.00	Mableton Pkwy
DE10620	77.00 L	159+00.00	Mableton Pkwy
DE10619	77.00 L	158+55.00	Mableton Pkwy
DE10618	57.26 L	158+25.00	Mableton Pkwy
DE10605	57.23 L	157+61.68	Mableton Pkwy
DE10606	76.00 L	157+61.67	Mableton Pkwy

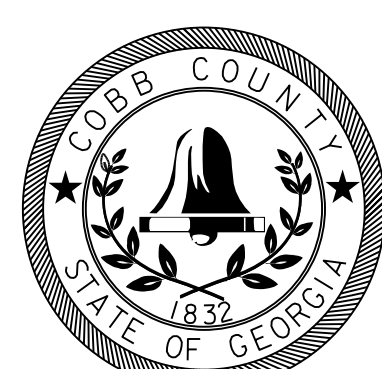
REOD EASMT = 13499.25 SF  
REOD EASMT = 0.310 ACRES

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

NO SCALE



DATE	REVISIONS
5/3/2023	PAR *27 ADDED TABLES FOR REQ'D RW AND TEMP. EASMT AREAS 1 & 2

COBB COUNTY  
DEPARTMENT OF TRANSPORTATION  
**RIGHT OF WAY MAP**  
PROJECT NO: X2770 COUNTY: COBB  
LAND LOT NO: 35, 36, 37, 38, 39,  
40, 77, 78, 155, 156, 189, 190  
LAND DISTRICT: 17, 18  
GMD: 895  
DATE: 11/08/21 SH 19 OF 19

DRAWING No.  
**60-0019**