

2:12:5	GPLOT-V8  gplotborder-V8i-P0.tbl	2017052_02-0001.dgn				Pi WA
DRAWING NO.	DESCRIPTION			DRAWING NO.	DESCRIPTION	
01-0001	COVER SHEET			52-0001 TO 52-0007	EROSION CONTROL LEGEND AND UNIFORM CODE SHEETS	
02-0001	INDEX			54-0001 TO 54-0002	EROSION CONTROL BMP LOCATION DETAILS	
03-0001	REVISION SUMMARY				EROSION CONTROL DETAILS	
04-0001 TO 04-0002				D-24A D-24C	TEMPORARY SILT FENCE (01/2011) TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (01/2011)	······································
				D-35	PERMANENT SOIL REINFORCEMENT MATS (TURF REINFORCEMENT MATS)  SOD INSTALLATION (04/2016)	) INSTALLATION ON DITCHES (01/2011)
05-0001 T0 05-0002	? TYPICAL SECTIONS			D-54	SOD INSTALLATION (04/2016)	
06-0001	SUMMARY OF QUANTITIES			60-0001 TO 60-0003	RIGHT OF WAY PLANS	
13-0001 TO 13-0002	2 CONSTRUCTION PLANS					
17-0001	DRIVEWAY PROFILES					
19-0001	STAGING PLAN					
22-0001	DRAINAGE PROFILES					
23-0001 TO 23-000	8 CROSS SECTIONS					
24-0001 TO 24-002	UTILITY PLANS					
26-0001 TO 26-002	SIGNING AND MARKING PLANS					
31-0001	RETAINING WALL ENVELOPES					
38-0001	SPECIAL CONSTRUCTION DETAIL - HANDRAIL					
	GA STANDARDS					
1019A 1019A-P	DROP INLETS (08/1999) PRECAST DROP INLETS (08/1999)					
1030D(1)	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3 (09/200	)//				
1030D(2)	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3 (09/200	11)				
1030D(3)	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3 (09/200	)[]				
1030P	THERMOPLASTIC PIPE (09/2016)					
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, AND					
90310	JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLA	RS, PIPE ELBOW, AND PIPE CURVED ALIGNM	IENTS (07/1985)			
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRE	TE MEDIANS (11/2011)				
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND,	AND MISCELLANEOUS DETAILS (03/2006	5)			
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-L	ANE HIGHWAY (03/2006)				
	GA DETAILS	TEDC (07/001/1)				
A-1 A-2	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTT CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6 (07/2					
A-2 A-3	CONCRETE VALLET GUTTER AT STREET TWIERSECTION 6 (07/2					
A-4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACI		<del>)</del> 9)			
T-01	SIGN PLATES (01/2000)					
T-02	DETAILS FOR TYPICAL FRAMING (03/2000)					G E GUISTER
T-03A	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL	. (07/2002)				A AND DE OF THE PARTY OF THE PA
T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED	ACCESS ROADWAY (09/2016)				PROFESSIONAL TO
						THEN JACK
	DEOLULIA DE 100500	DIA		4	REVISION DATES	INDEV
PROPERTY AND EXISTING R/W LII REQUIRED R/W LINE CONSTRUCTION LIMITS	END LIMIT OF ACCESS	ELA	ENGINEERS + CONSULTANTS		01/05/18	INDEX CHILDERS ROAD SIDEWALK
EASEMENT FOR CONSTR	PPES  VES  REQ'D R/W & LIMIT OF AC  ORANGE BARRIER FENCE  ESA - ENV. SENSITIVE AR  (SEE ERIT TABLE)					
& MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLO	ORANGE BARRIER FENCE	— <b>—</b>	Brookhaven		CHECKED:	DATE: DRAWIN
EASEMENT FOR CONSTR OF DRI	VES ESA - ENV. SENSITIVE AR	REA -	GEORGIA		BACKCHECKE CORRECTED:	$\begin{array}{c c} D: & DATE: \\ \hline DATF: &                                   $
	I SEE ERII IADLE)				VERIFIED:	DATE: 02-0(

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DATE	DRAWING NO.	REVISION		DA	ATE	DRAWING NO.	REVISION		
01,405,418	01.0001	ADDED LICT OF DEVICIONS OF HOUR							
01/05/18		ADDED LIST OF REVISIONS, 24 HOUR							
01/05/18	02-0001	REMOVED EROSION CONTROL DETAIL D-		DETAIL D-24C					
01/05/18	07 0001	REVISED EROSION CONTROL DETAIL D-	JO DATE						
01/05/18		ADDED LIST OF REVISIONS	DDOOKUNKEN EDO NOTEC						
01/05/18		ADDED 24 HOUR CONTACT AND CITY OF							
01/05/18		ADDED 24 HOUR CONTACT AND CITY OF	BROOKHAVEN ERC NOTES						
01/05/18		ADDED DIMENSION FOR 30" MIN.	0.40						
01/05/18	D-24C	ADDED GDOT CONSTRUCTION DETAIL D-	<u> </u>						
									GE
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					•		<u>,                                      </u>		
PROPERTY AND EX	ISTING R/W LINF	₽ BEGIN LIMIT OF ACCESS.	BLA					ISION DATES	REVISION SUMMA
REQUIRED R/W	LINE	END LIMIT OF ACCESS	ELA	LCALYX			01/05/18		
CONSTRUCTION	LIMITS	CF LIMIT OF ACCESS		ENGINEERS + CONSULTANTS					CHILDERS ROAD SID
EASEMENT FOR	CONSTR	REQ'D R/W & LIMIT OF A							
& MAINTENANC		ORANGE BARRIER FENCE	-	Brookhaven				CHF	TCKED: DATE:
FACEUEUT CAS A	UNSIR OF SLOPES	L CA FNV CENCITIVE A		THE BUILDING AVELL	1				CKCHECKED: DATE:
EASEMENT FOR O	ONSTR OF DRIVES	ESA - ENV. SENSITIVE A. (SEE ERIT TABLE)	REA —	GEORGIA					RRECTED: DATE:

#### <u>GENERAL NOTES</u>

UTILITY OWNER	CONTACT	SERV I CE	CONTACT NUMBER
SOUTHERN COMPANY GAS	GINNY MAULDIN-KINNEY	GAS	404-584-3176
AT&T	DAVID WAGONER	TELECOMMUNICATION	404-532-7704
COMCAST	CHARLES ROSS	CABLE	770-559-6994
DEKALB WATERSHED MANAGEMENT	RUDY CHEN	WATER AND SEWER	770-621-7213
GPC	LAMONTE WASLIEN	POWER	404-947-0729
HOTWIRE COMMUNCATIONS	MIGUEL CASTILLO	TELECOMMUNICATION	678-293-8318
LEVEL 3 COMMUNICATIONS	MICHAEL MAYES	TELECOMMUNICATION	404-394-0597
WINDSTREAM	ANDY EASTMAN	TELECOMMUNICATION	319-790-6195
VERIZON	DENNIS RAINEY	TELECOMMUNICATION	678-778-7251
XO COMMUNICATIONS	BARRY LONG	TELECOMMUNICATION	678-431-5358
ZAYO FIBER	TODD SWAFFORD	FIBER	678-666-2482

I. DRIVEWAYS WILL BE PAVED FROM THE OUTSIDE EDGE OF THE TRAVEL LANE TO THE TIE-IN POINT OF THE EXISTING DRIVEWAY OR TO THE REQUIRED RIGHT OF WAY LINE, WHICHEVER IS FARTHEST AWAY FROM THE CENTERLINE. WHERE REQUIRED, DRIVEWAYS SHALL BE CONSTRUCTED AS FOLLOWS:

RESIDENTIAL CONCRETE DRIVES:

RESIDENTAL ASPHALT DRIVES:

6 IN DRIVEWAY CONCRETE

1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, 165 LB/SY

6 IN CONCRETE VALLEY GUTTER 6" GRADED AGGREGATE BASE

COMMERCIAL CONCRETE DRIVES: 8 IN DRIVEWAY CONCRETE

COMMERCIAL ASPHALT DRIVES: 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, 165 LB/SY

8 IN CONCRETE VALLEY GUTTER

2" ASPH. CONC. 19 MM SUPERPAVE, 220 LB/SY

6" GRADED AGGREGATE BASE

- 2. NEW PAVEMENT/SURFACING IS REQUIRED ACROSS ALL PROPERTY FRONTAGES TO EXISTING CENTERLINE, TO BE INSTALLED PER BROOKHAVEN STANDARD DETAILS OR AS ADDITIONALLY DIRECTED BY BROOKHAVEN TRAFFIC ENGINEER.
- 3. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER MUTCD.
- 4. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
- 5. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT
- 6. STRIPING (WHITE AND YELLOW) AND ARROW MARKINGS SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.
- 7. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY GRINDING, UNLESS SPECIFIED BY THE BROOKHAVEN TRAFFIC ENGINEER.
- 8. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.
- 9. CONTACT THE BROOKHAVEN TRAFFIC ENGINEER (678-382-6700) ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.

(SEE ERIT TABLE)

- IO. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED ON THE CONSTRUCTION DOCUMENTS.
- II. SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT.
- I2. NO CLOSURES OF OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE BROOKHAVEN TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO INTENDED BEGINNING AND MUST BE APPROVED PRIOR TO COMMENCEMENT.

#### PROJECT SPECIFIC NOTES

- I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL BORROW/WASTE PITS NEEDED FOR THE PROJECT AT NO ADDITIONAL COST TO THE CITY. ALL DEBRIS AND WASTE FROM THE PROJECT WILL BE DISPOSED OF PROPERLY BY THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM WHICH OCCURS AS A RESULT OF ANY WORK ASSOCIATED WITH THIS PROJECT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES IMPACTED BY THE PROJECT CONTRACTOR IS RESPONSIBLE FOR MARKING AND LOCATING EXISTING UTILITIES AS WELL AS ANY DAMAGE OR INTERRUPTION IN SERVICE DUE TO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE PROJECT. ANY INTERRUPTION IN SERVICE WILL BE COORDINATED AT LEAST 48-HOURS IN ADVANCE WITH THE IMPACTED UTILITY.
- 4. TRIM ALL TREE LIMBS TO PROVIDE AN 8' VERTICAL CLEARANCE ABOVE THE PROPOSED SIDEWALK AND 2' HORIZONTAL CLEARANCE BEHIND
  THE PROPOSED SIDEWALK. THE COST OF THIS WORK TO BE INCLUDED IN THE PAY ITEM NO. "210-0100 GRADING COMPLETE LUMP SUM."
- 5. CITY ARBORIST HAS REVIEWED THE PROJECT
- 6. THIS PROJECT DOES NOT INCREASE THE IMPERVIOUS AREA WITHIN THE PROJECT SITE BY MORE THAN 5000 SF.

#### SIDEWALK CONSTRUCTION NOTES

- I. USE 3/8" X 4" EXPANSION JOINTS AT CHANGE OF DIRECTIONS, CURBS, RIGID STRUCTURES AND RIGID PAVEMENT.
  ON STRAIGHT RUNS PROVIDE EXPANSION JOINTS EVERY 24 FEET.
- 2. TOOL ALL EXPOSED EDGES AND JOINTS TO 1/4" RADIUS
- 3. BROOM FINISH PERPENDICULAR TO TRAVEL.
- 4. PROVIDE 3/4" DEEP SAW CUT CONTRACTION JOINTS EVERY 5'-0".



know what's below. Gall before you dig. (800)282-74//



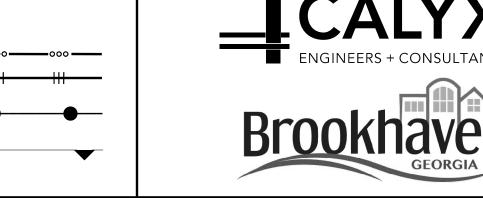
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

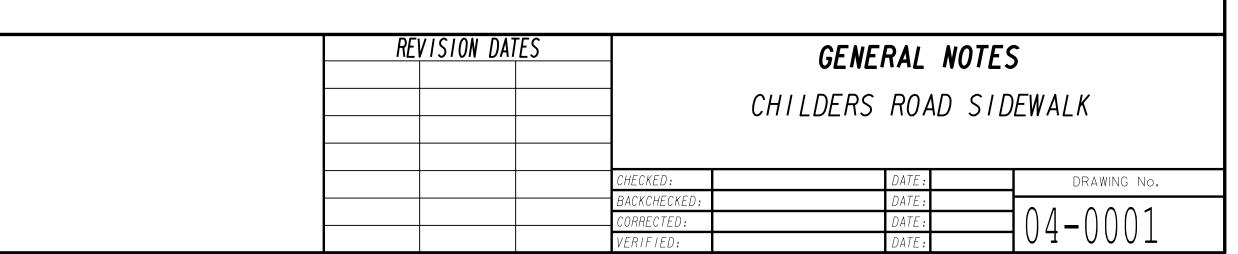
BEGIN LIMIT OF ACCESS......BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

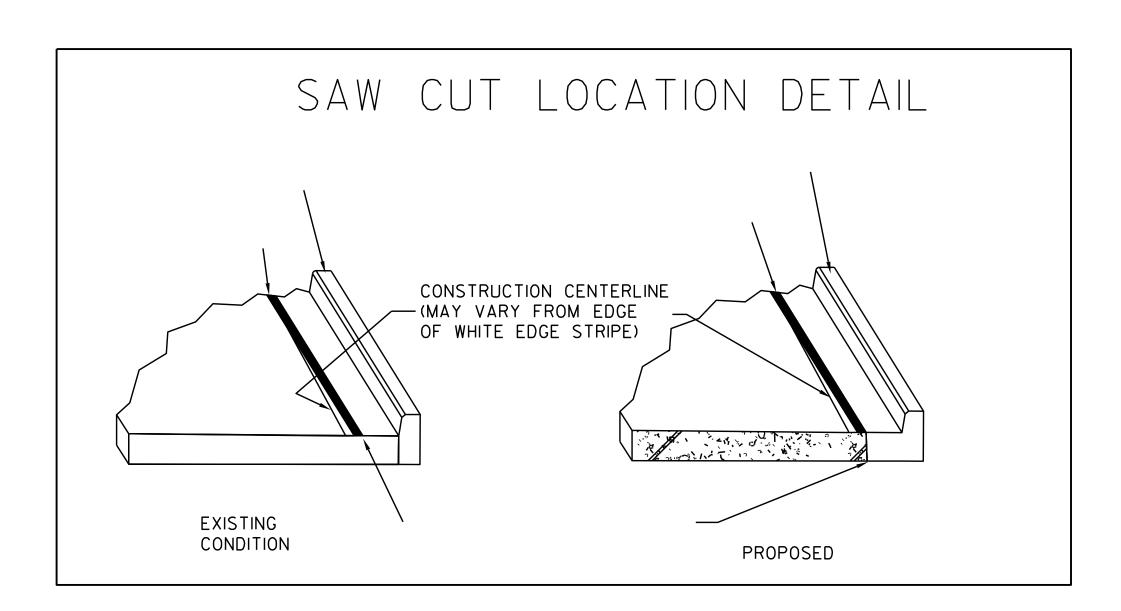
ESA - ENV. SENSITIVE AREA





			UTILITY LINECODES						IITII ITY	SYMBOLS			W.A.
	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY		EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
0	-\\\E\\\\E	-\\-\X-E\\-X-E	E			→ = ==================================		<del></del>	UTILITY POLE/GUY POLE	D D	<b>*</b>	<u> </u>	FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
V	-WE-TW	-\\\ E -\frac{1}{1/2}\\\\		ELECTRIC/TELECOMMUNICATIONS			•	$\stackrel{\bullet}{\hookrightarrow}$	LIGHT POLE	ВБР	BFP	ВБР	(INCLUDES ASSOCIATED VALVE) BACKFLOW PREVENTER
Ε	-\\\E-TV\\\-		E-TV				<b>×</b> - <b>∢</b>	<b>▼</b>	GUY ANCHOR	PIV	PIV	(PIV)	PRESSURE INDICATOR VALVE
R		-/\/ <del>X</del> -E-T-TV- <del>X</del> -		ELECTRIC/TELECOMMUNICATIONS/CABLE TV		MA AMA	lack		MARKER	ARV	ARV	(ARV)	AIR RELEASE VALVE
Н	-\\	-\\-\X-GW\\-X	—VV——E-1-1V——  —W——W——			X X	X	X	SPLICE BOX	W	W		WELL
F	-\\\T\\\	-W-X-1W-X-							CABINET	w	w	w	WATER VAULT
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-\\T-TV\\-	-\\\ \ \ \\\ \\\-		TELECOMUNICATIONS/CABLE TV					VENT	w>	<b>~</b>		WATER VALVE MARKER
A	-\\\	-\\-\X-\\-\X				E E	l E	I (E)	ELECTRIC MANHOLE		<b>(A)</b>	(A)	STAND PIPE
D		-^^ \ \ \ \ \ \ - \ \ \ \ \ \ \ \ \	- <b>VV</b> - <b>V</b> - <b>VV</b>	CABLE 1V		H	M		HAND HOLE		•		CLEANOUT
	E	<del>X</del> E <del>X</del>	Е	ELECTRIC		E	E	<b>E</b>	TRANSFORMER	(ss)	68		SANITARY SEWER MANHOLE
	T	<i>X</i> <sub>T</sub> <i>X</i>	———т——	TELECOMMUNICATIONS		E	•	<b>(E)</b>	ELECTRIC METER	ARV	ARV	(ARV)	AIR RELEASE VALVE
	TV	<b>X</b> TV <b>X</b>				E E	<b>B</b>				GT		
U			w						ELECTRIC BOX	GT		GT	GREASE TRAP
l <sub>N</sub>	=====##"W======	=== <b>X</b> = <b>*</b> *"W=== <b>X</b> ==		WATER FOR LABELED PIPE SIZES			_		TELECOMMUNICATIONS MANHOLE	(S)	•	<b>(S)</b>	SANITARY SEWER FORCE MAIN \
n n	NW	XNWX-	NW			T	<u> </u>		TELECOMMUNICATIONS PEDESTAL SUBCRIBER LOOP CARRIER	<b>G</b>	•	<b>(G)</b>	GAS VALVE
F		==*="NW===*==		NON-POTABLE WATER FOR LABELED PIPE SIZES		SLC	SLC	SLC	(aka "SLICK")	G	G	<b>©</b>	GAS METER
	STM	<b>X</b> STM <b>X</b>	STM			) ×	<b>∑</b>	<b>D</b> <u></u> <u> </u>	PHONE BOOTH	G	G	<b>G</b>	GAS MANHOLE
K	=====##"STM====	<i>X</i>		STEAM FOR LABELED PIPE SIZES					CABLE TV PEDESTAL	GPR	GPR	<b>@PB</b>	GAS PRESSURE REGULATOR
G	>SS	XX		SANITARY SEWER WITH FLOW DIRECTION		τν	•		CABLE TV MANHOLE	G	G	G	GAS VAULT
R	:===Σ##"SS====:	:= <b>X</b> == <b>Σ**</b> "SS= <b>X</b> =:		SANITARY SEWER WITH FLOW DIRECTION FOR LAB	DELEN DIDE SIZES	w	W	<b>(W)</b>	WATER VALVE	GTS	GTS	GTS	GAS TEST STATION
0	>SFM	<b>X</b> >SFM <del>X</del> -		SANITARY SEWER FORCE MAIN WITH FLOW DIRECT		w	w	<b>W</b>	WATER METER	P	•	<b>(P)</b>	PETROLEUM VALVE
U	G				HON	w	W		WATER MANHOLE				
N	======================================	<del>X</del> G <del>-X</del> === <del>X</del> = <b>*</b> *"G=== <del>X</del> ==								1			
D	<del>**</del>	<del>X</del> P <del>X</del>	——————————————————————————————————————	GAS FOR LABELED PIPE SIZES									
													A. A

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# ALLOWABLE RANGES TABLE

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

#### A. NORMAL CROWN

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

B. SUPERELEVATION RATE

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

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

RATE OF CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT CHANGE AND EDGE OF PAVEMENT 1:150 MINIMUM 0.67% 0.50% DESIRABLE 0. 33%

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

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

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

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

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



CLASS "B" CONCRETE~ NO SCALE CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING Item Code 500-9999 - Cu. Yds. In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening". In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section. See plans for details of curb and gutter construction. CLASS "B" CONCRETE BASE OR WIDENING DETAIL

SURFACE COURSE Z

PAVEMENT DESIGN

(A) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
(B) CLASS B CONCRETE

© 10" GRADED AGGREGATE BASE CRS, INCL MATL

D RECYCLED ASPHALT LEVELING, INCL BITUM MATL & H LIME - AS REQUIRED E 8" X 24" CURB AND GUTTER TYPE 2

F) 4" CONCRETE SIDEWALK; 8" THICKNESS IN CURB RETURN RADII AND RAMPS

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

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

(SEE ERIT TABLE)

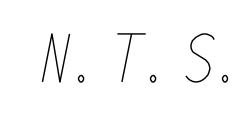
 $\rightarrow$  EXCAV.  $\leftarrow$  0.0 < WIDTHS  $\leq$  6.0



NOTES:
I. GUTTER ON HIGH SIDE OF SUPERELEVATION TO SPILL AT SE RATE.

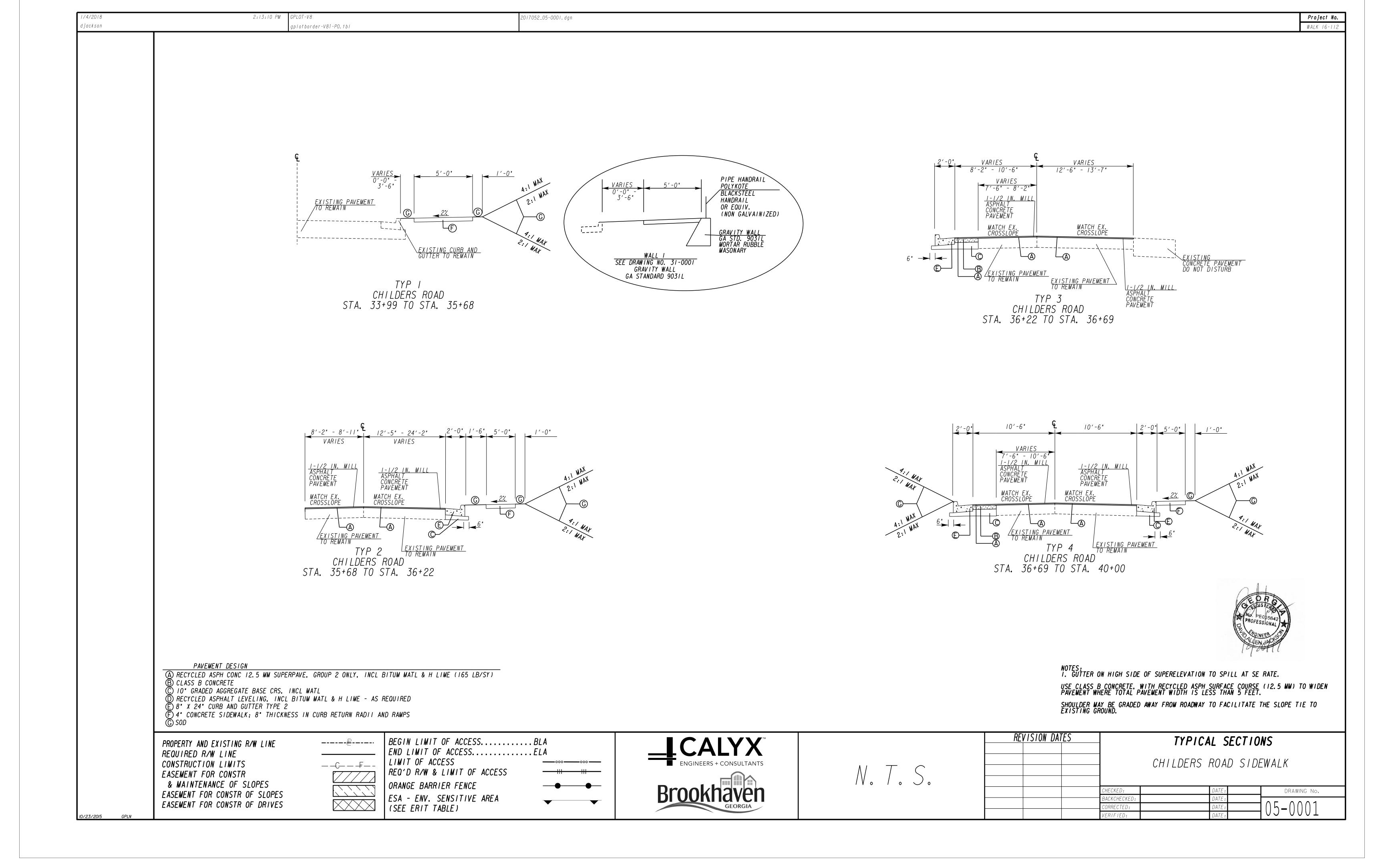
USE CLASS B CONCRETE, WITH RECYCLED ASPH SURFACE COURSE (12.5 MM) TO WIDEN PAVEMENT WHERE TOTAL PAVEMENT WIDTH IS LESS THAN 5 FEET.

SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.



REVISION DATES		TYPICA	AL SECTIO	NS
		CHILDERS		
	CHECKED:		DATE:	DRAWING No.
	BACKCHECKED:		DATE:	
	CORRECTED:		DATE:	105-000
	VERIFIED:		DATE:	

10/23/2015



djackson

# SUMMARY OF QUANTITIES

## ROADWAY QUANTITIES

	CONCRETE SIDEWALK, 4 IN (SY)	CONCRETE SIDEWALK, 8 IN (SY)	CLASS B CONC, BASE OR PVMT WIDENING (CY)	MILL ASPH CONC PVMT, VARIABLE DEPTH (SY)	RECYCLED ASPH CONC PATCHING, INCL BITUM MATIL & H LIME (TN)	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP ONLY, INCL BITUM MATIL & H LIME (TN)	GRADED AGGREGATE BASE CRS, INCL MATL (TN)	TACK COAT (GL)	CONCRETE HEADER CURB, 6 IN, TYP 2 (LF)	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2 (LF)
PAY ITEM	441-0104	441-0108	500-999	432-0205	402-1802	402-3113	310-1101	413-0750	441-5004	441-6216
CHILDERS ROAD	213	102	21	843	0	80	179	30	37	697
SUBTOTAL:	213	102	21	843	0	80	179	30	37	697
AS DIRECTED BY ENGINEER:	17	18	9	7	10	10	11	30	3	3
TOTALS:	230	120	30	850	10	90	190	60	40	700

## DRIVEWAY QUANTITIES

Dill'I Lillia	<i>,</i> ,, , ,	· · L S
	DRIVEWAY CONCRETE, 8 IN TK (SY)	CONC VALLEY GUTTER, 8 IN (SY)
PAY ITEM	441-0018	441-4030
DW STA.		
38+66, RT	48	72
38+85, LT		26
SUBTOTAL:	48	98
AS DIRECTED BY ENGINEER:	2	12
TOTALS:	50	110
·		

## DRAINAGE QUANTITIES

		STORM DRAIN	DROP INLET	RECONSTRUCT
		PIPE	(1019A)	MISC
STRUCTURE	LOCATION	18 IN. H=1'-10'	6'-0" OR LESS	DRAINAGE
		LF	EA	EA
		550-1180	668-2100	611-4003
A-1	39+61, LT	9		1
A-2	39+54, LT		1	
SUB	TOTAL:	9	1	1
AS DIRECTED	BY ENGINEER:	1		
TC	TALS:	10	1	1

## LUMP SUM QUANTITIES

PAY ITEM	PAY ITEM DESCRIPTION	UNITS
150-1000	TRAFFIC CONTROL (WALK 16-112)	LS
210-0100	GRADING COMPLETE (WALK 16-112)	LS

## RETAINING WALL QUANTITIES

	_ , , , , , , , , , , , , , , , , , , ,				
PAY ITEM	PAY ITEM DESCRIPTION	UNITS	QUANTITY	AS DIRECTED BY ENGINEER	TOTAL
515-4000	POLYKOTE BLACK STEEL PIPE HANDRAIL OR EQUIV. (GALV. STEEL PIPE PROHIBITED)	LF	68	2	70
607-1000	MORTAR RUBBLE MASONRY	CY	11	9	20

#### EROSION CONTROL QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNITS	SUB TOTAL	AS DIRECTED BY ENGINEER	TOTAL
163-0232	TEMPORARY GRASSING	AC	0.5	0.5	1
163-0240	MULCH	TN	5	5	10
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAPS	EA	1	0	1
165-0105	MAINTENANCE OF INLET SEDIMENT TRAPS	EA	1	0	1
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	793	57	850
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TYPE A	LF	425	0	425
700-7000	AGRICULTURAL LIME	TN	3	3	6
700-8000	FERTILIZER MIXED GRADE	TN	0.5	0.5	1
700-9300	SOD	SY	500	70	570
716-2000	EROSION CONTROL MATS, SLOPES	SY	500	70	570

## UTILITY ADJUSTMENT

PAY ITEM	PAY ITEM DESCRIPTION	UNITS	QUANTITY
611-8055	ADJUST MINOR STRUCTURE TO GRADE (PULL BOX)	EA	1
611-8140	ADJUST WATER VLAVE BOX TO GRADE	EA	2

## MARKING QUANTITIES

ROAD	THERMOPLASTIC 5" SOLID YELLOW (LF)	THERMOPLASTIC 8" SOLID WHITE (LF)	THERMOPLASTIC 24" SOLID WHITE (LF)
PAY ITEM	653-1502	653-1804	653-1704
CHILDERS ROAD	100	116	11
SUB TOTAL:	100	116	11
AS DIRECTED BY ENGINEER:	0	14	0
TOTAL:	100	130	11

## SIGNING QUANTITIES

				HIGHWAY SIGNS							SQUARE TUBE POST		
					636-1020			636-1045			636-2070		
Road	STATION	N LT/RT			TP 1 MATL,			TP 2 MATL,		TYPE 7			
			SIGN CODE	REFL S	REFL SHEETING TYPE 3		REFL S	HEETING T	YPE 11	2 /			
				SIZE	QUANTITY	SQ FT	SIZE	QUANTITY	SQ FT	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	
CHILDERS													
ROAD	38+40	LT	R2-1 (24) (25)	24X30	1	5.00				14	1	14	
NOAD	39+55	RT	R1-1(30)				36" OCT	1	5.18	14	1	14	
	S	UB TOTAL:			1	5		1	5	28	2	28	
AS DIR	ECTED BY E	NGINEER:				1.00			1.00			0	
		TOTAL:				6			6			28	



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

--C--F--

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

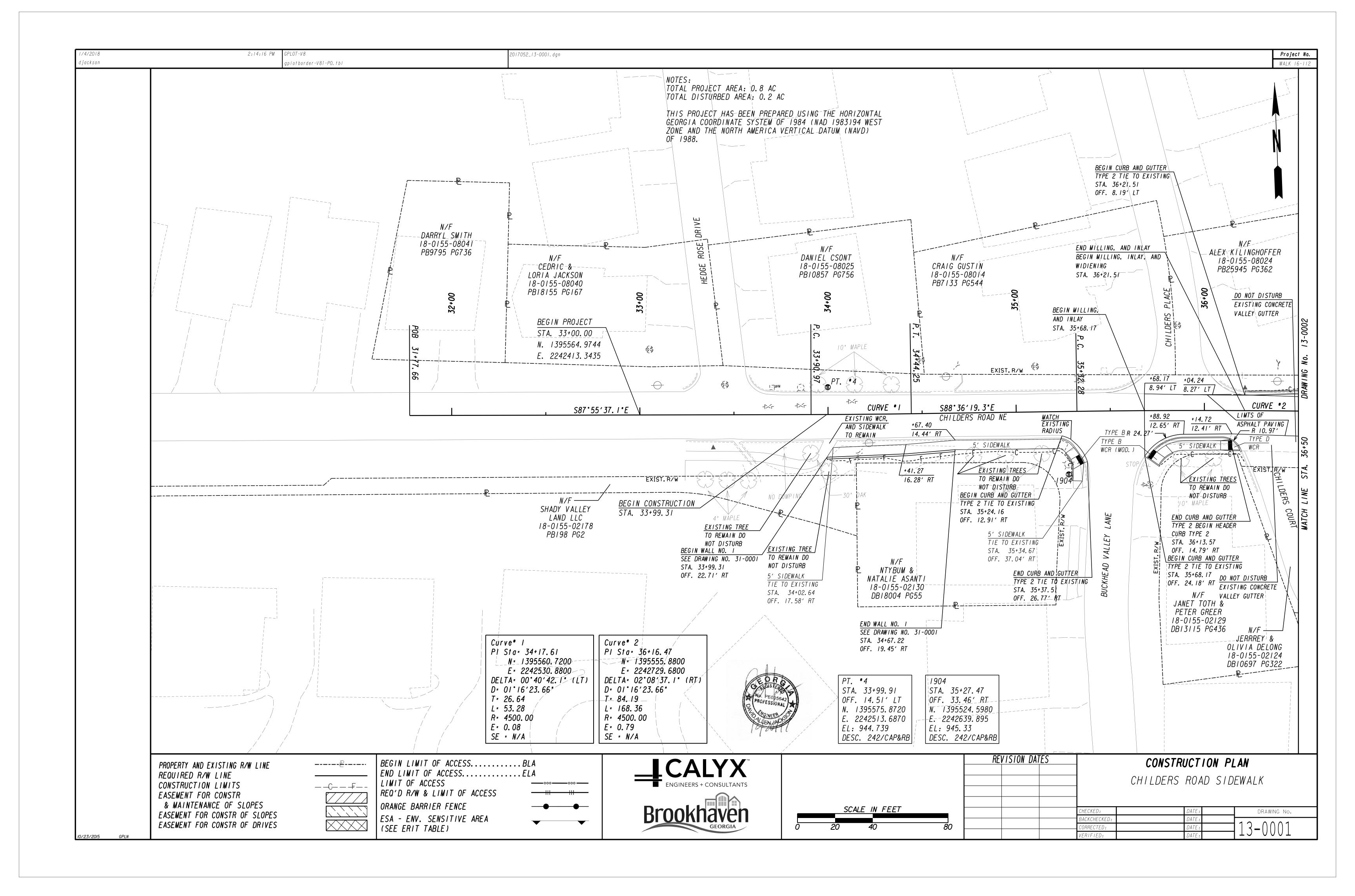
ORANGE BARRIER FENCE

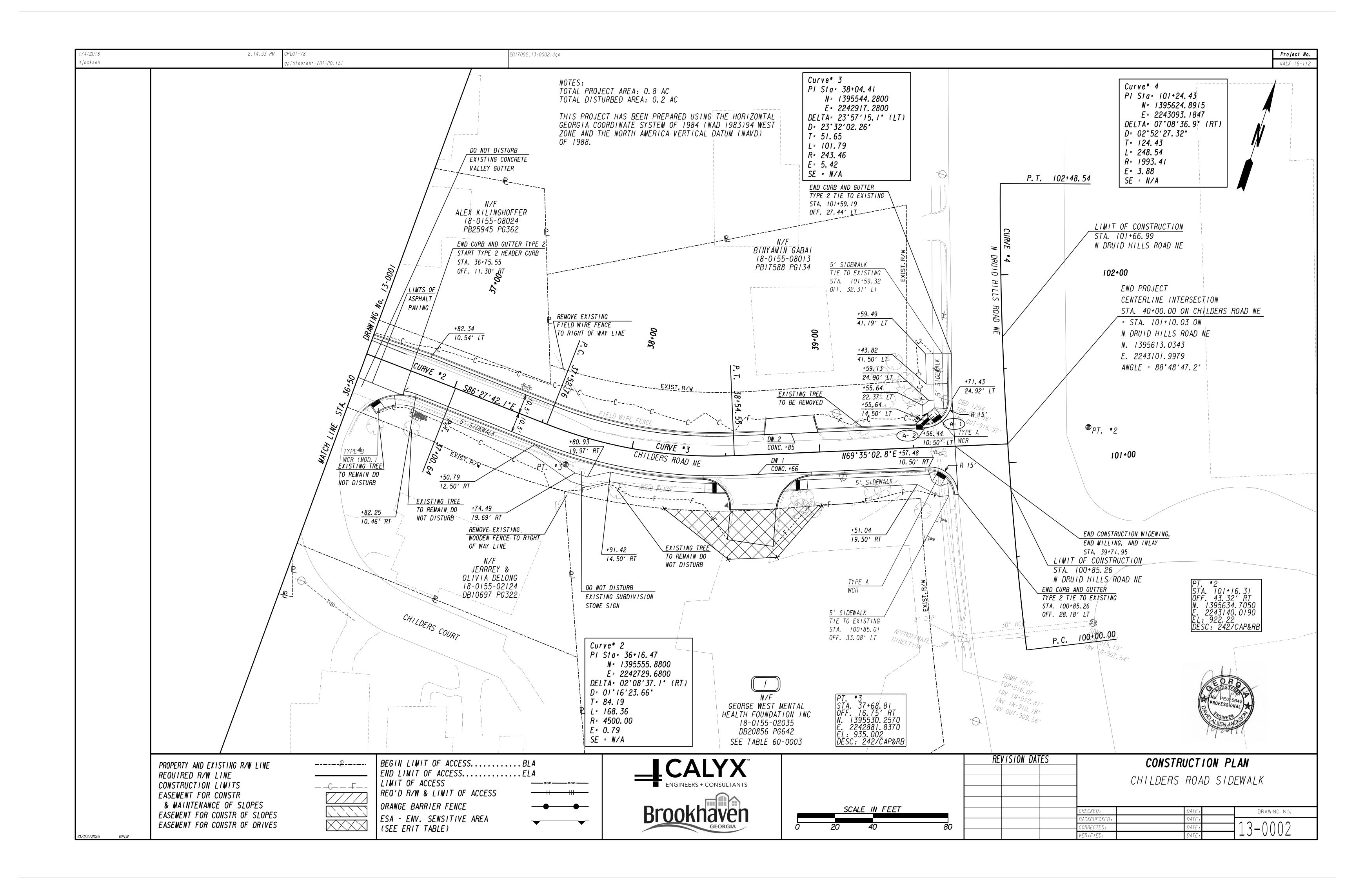
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

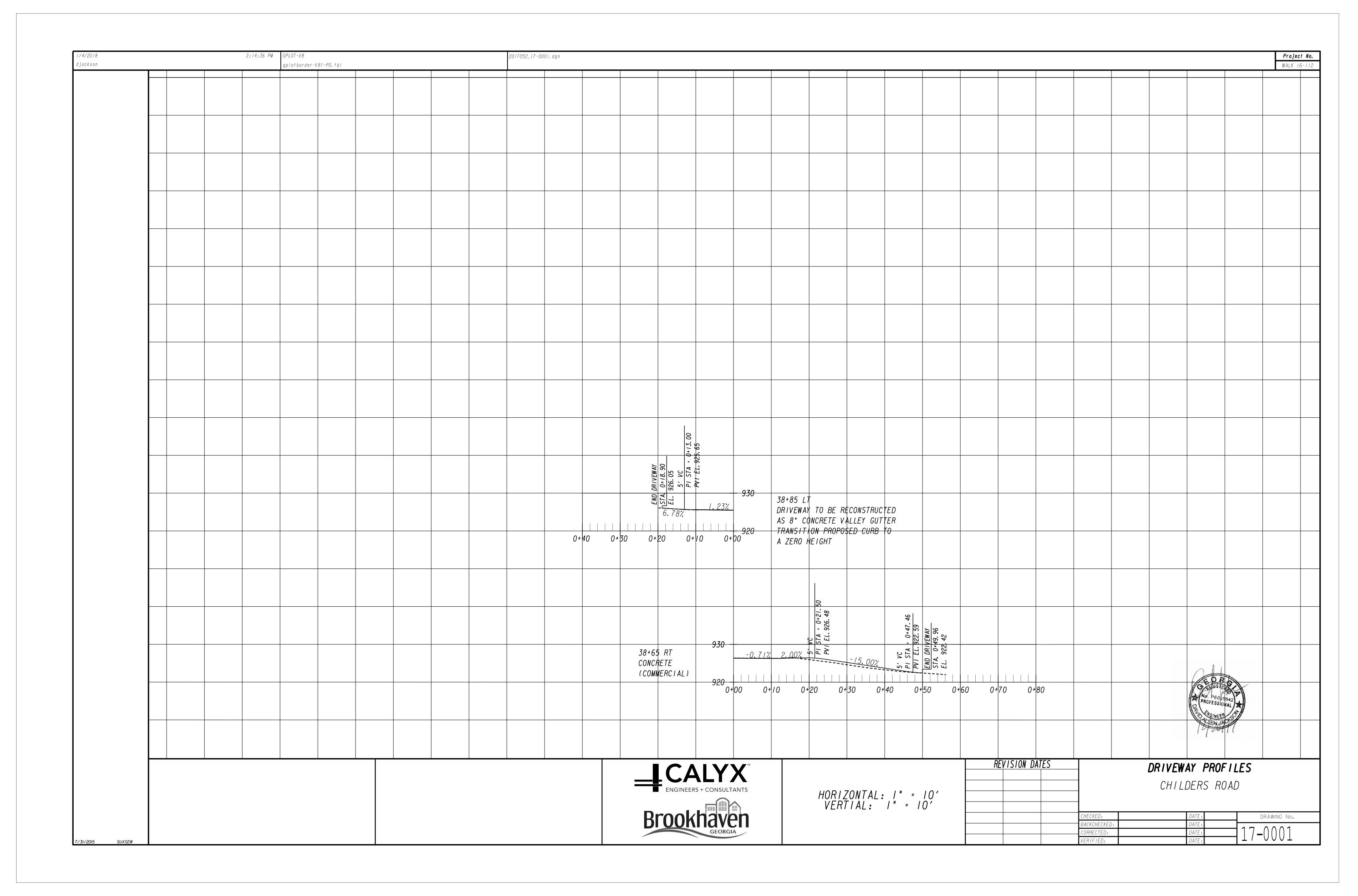


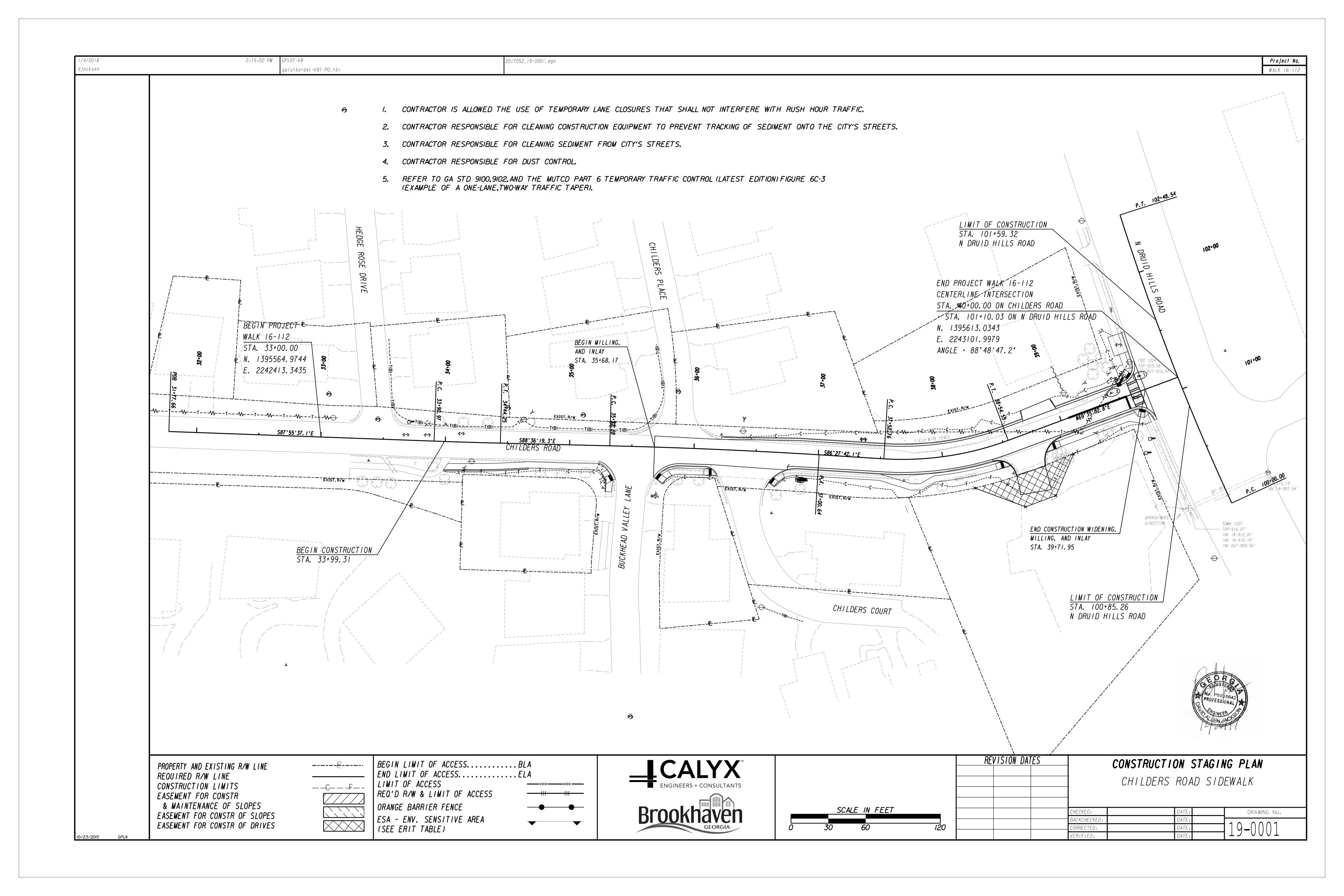
REVISION DATES		SUMMARY QUANTITIES				
	C	HILDERS ROAD S	SIDEWALK			
	CHECKED:	DATE:	DRAWING No.			
	BACKCHECKED:	DATE:				
	CORRECTED:	DATE:	<b>─</b>			
	VERIFIED:	DATE:	$\longrightarrow$ 00 000 $\perp$			

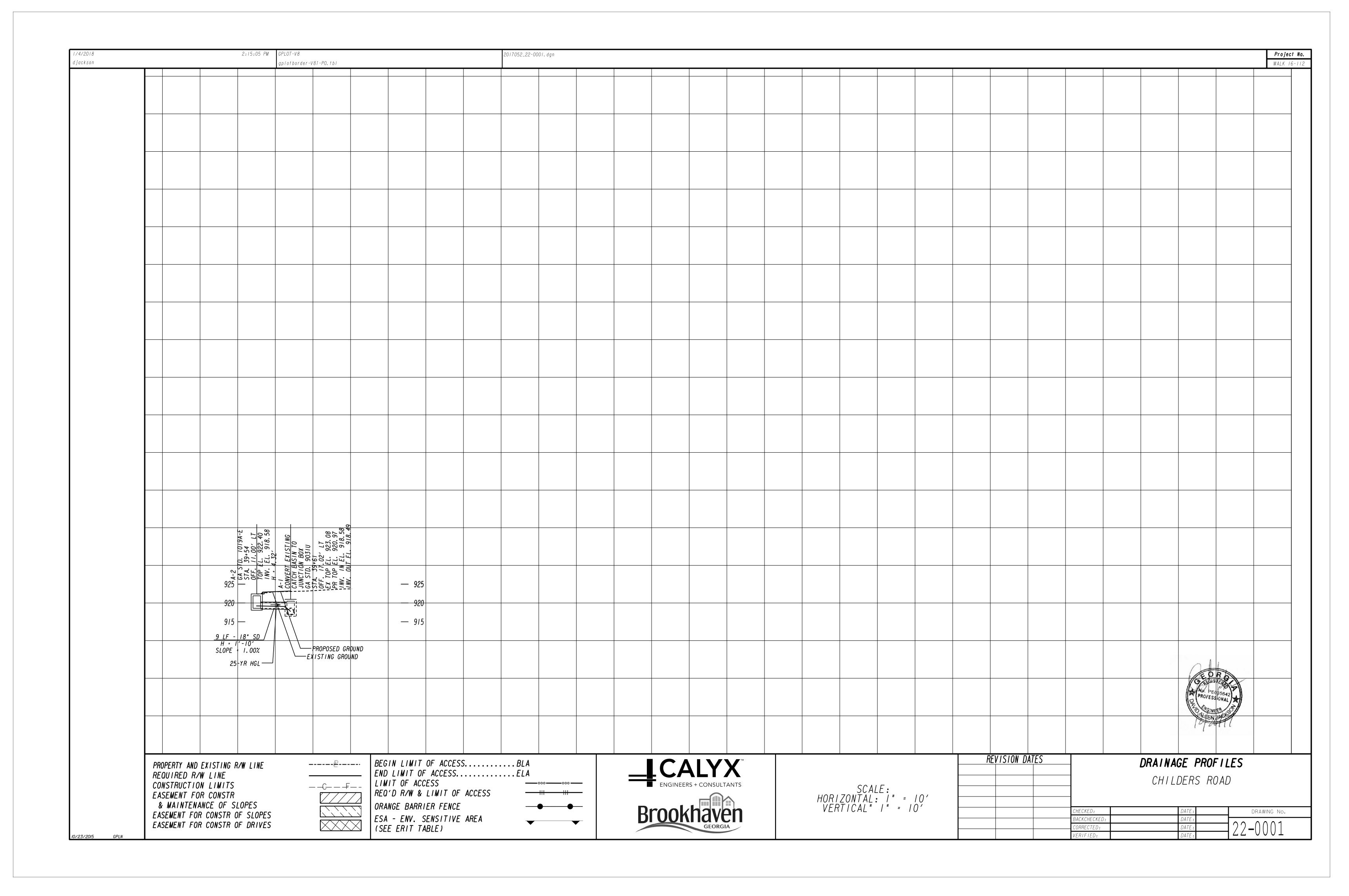
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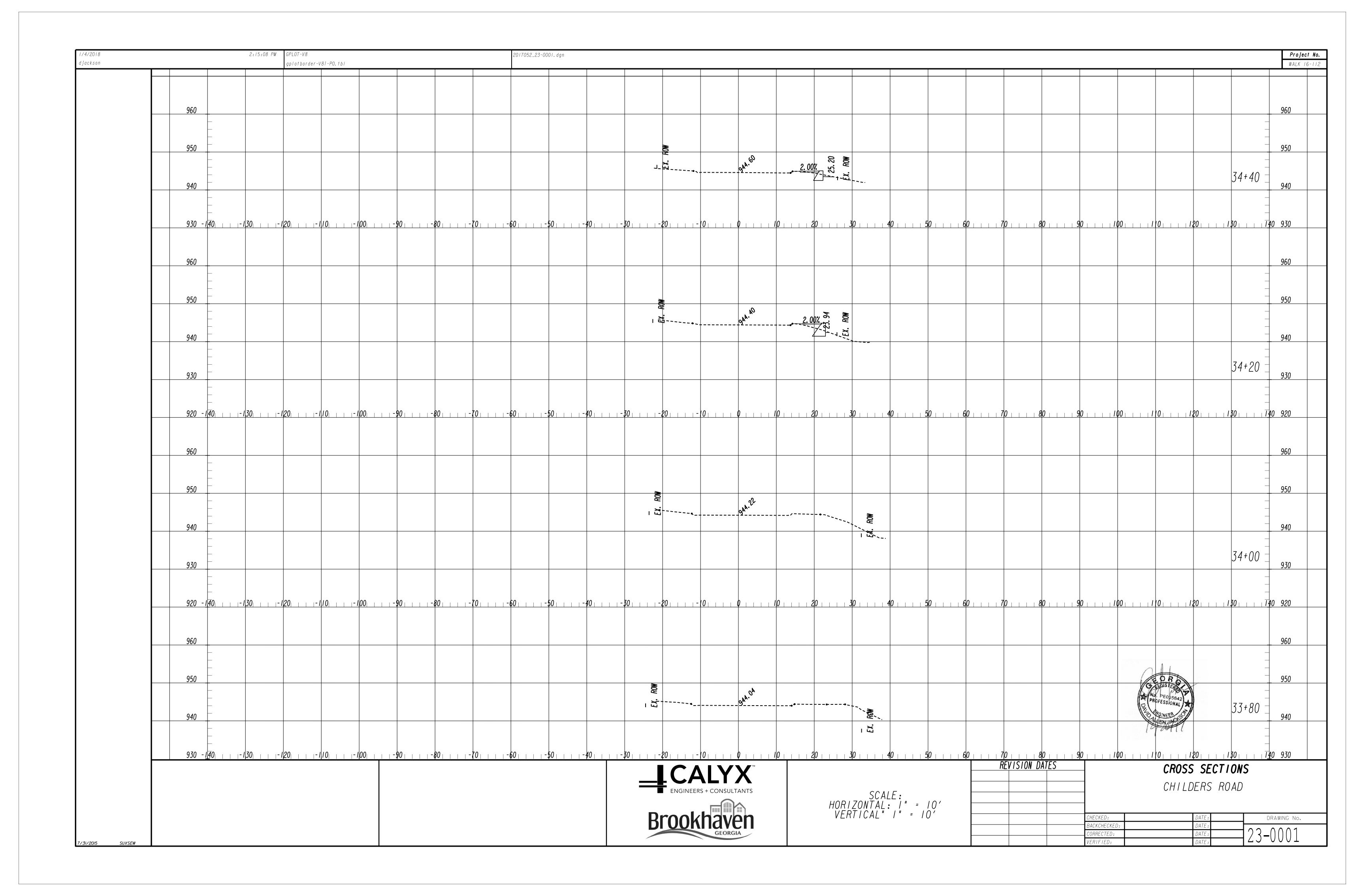


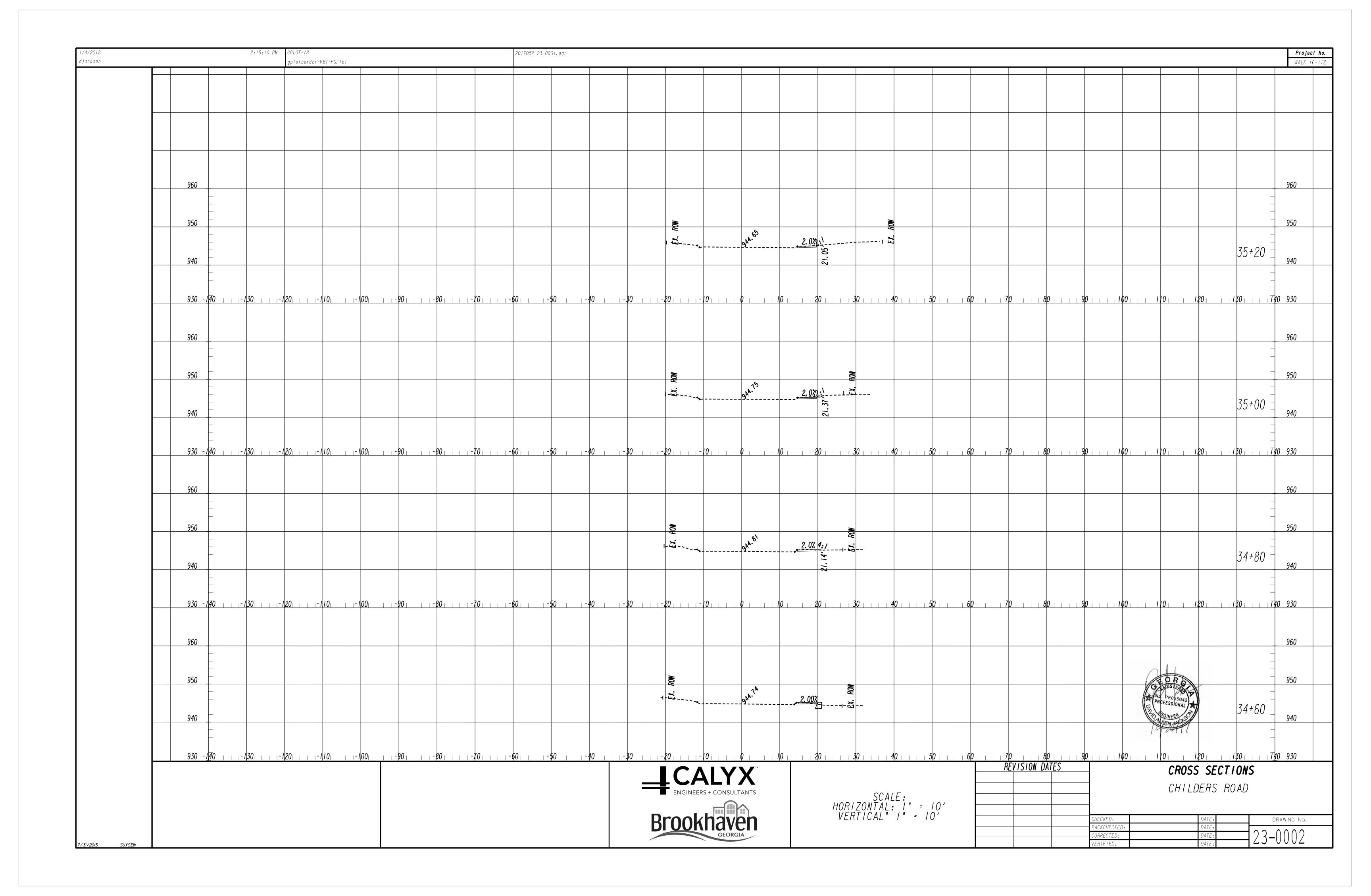


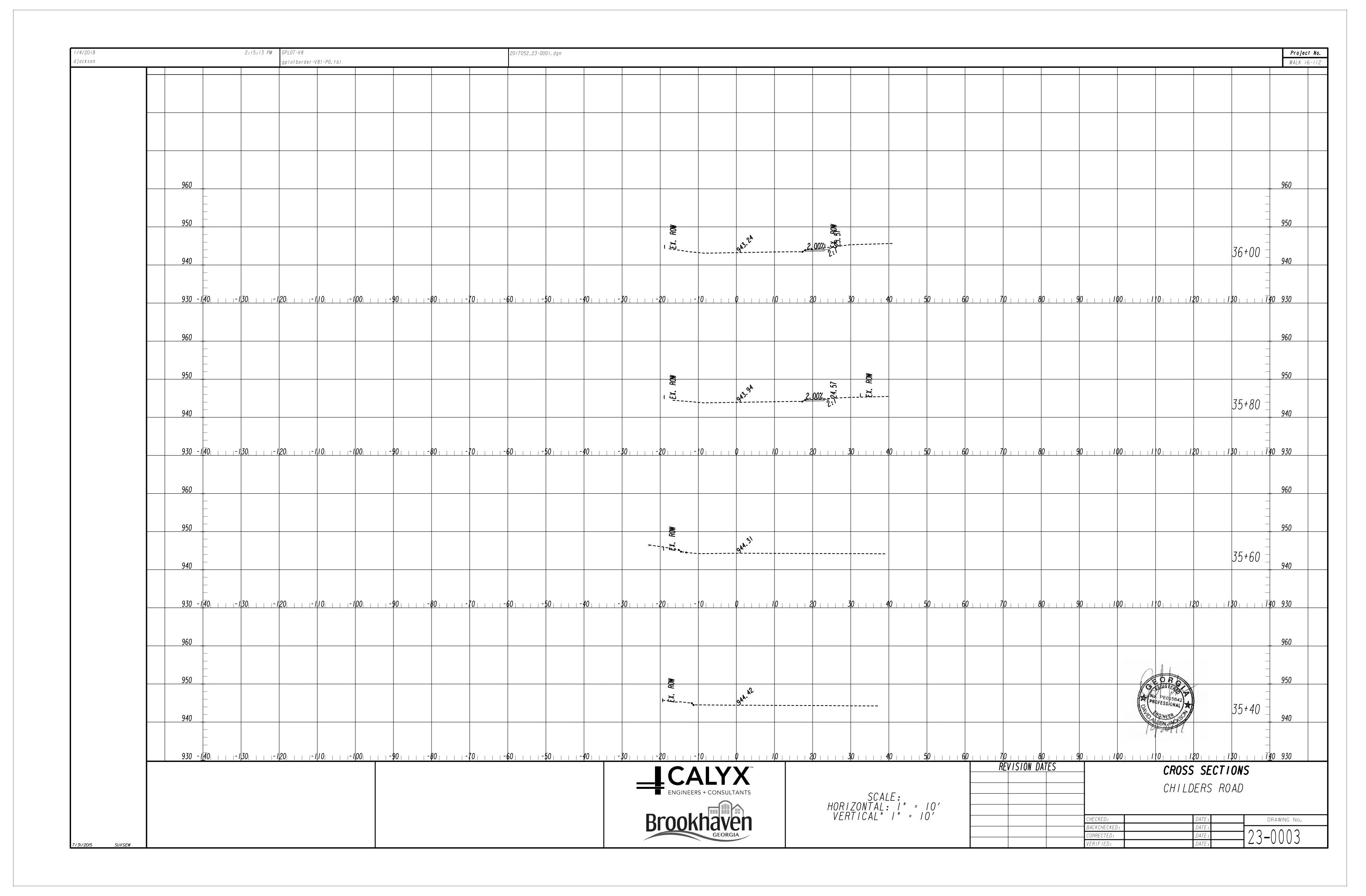


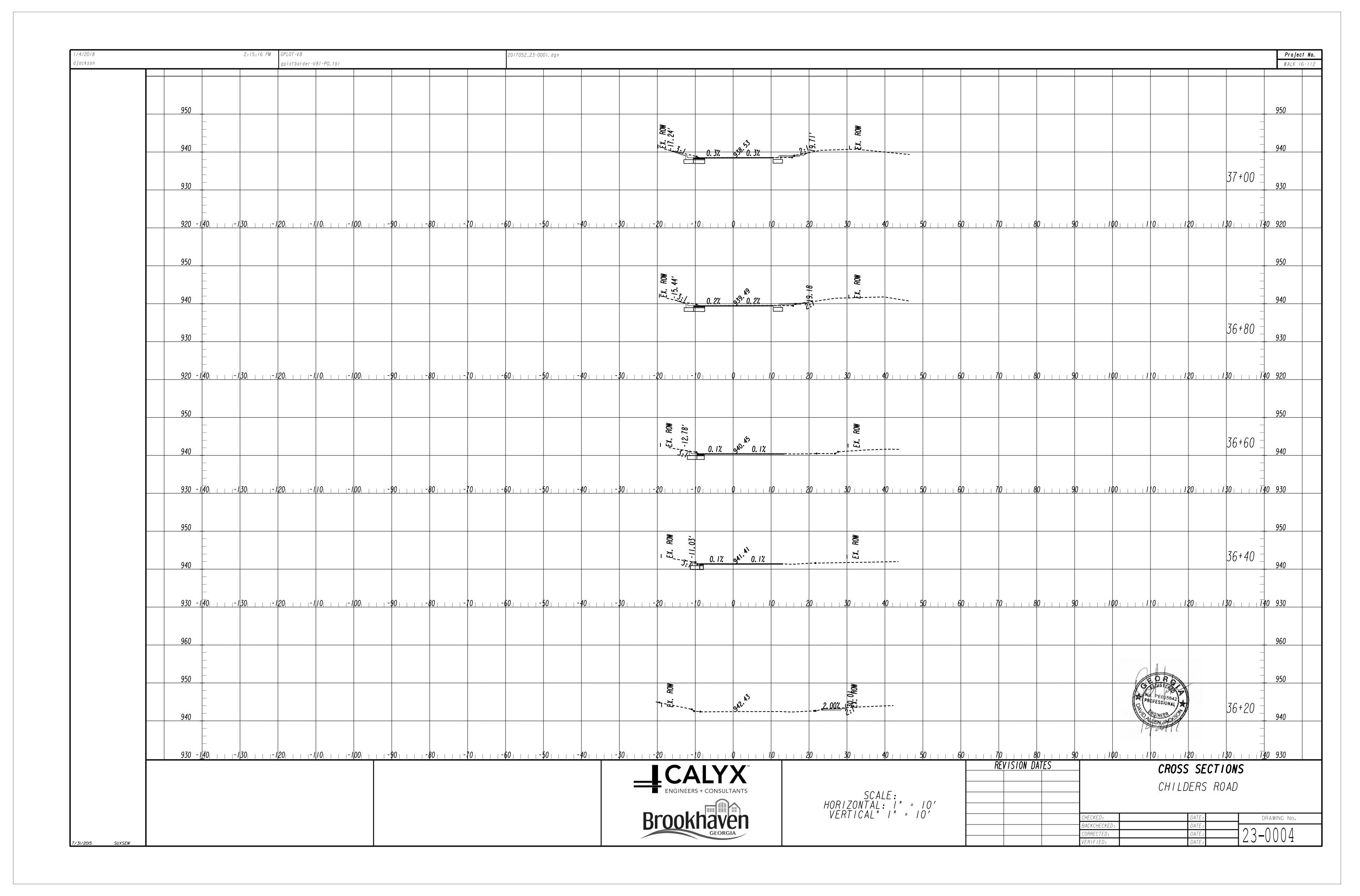


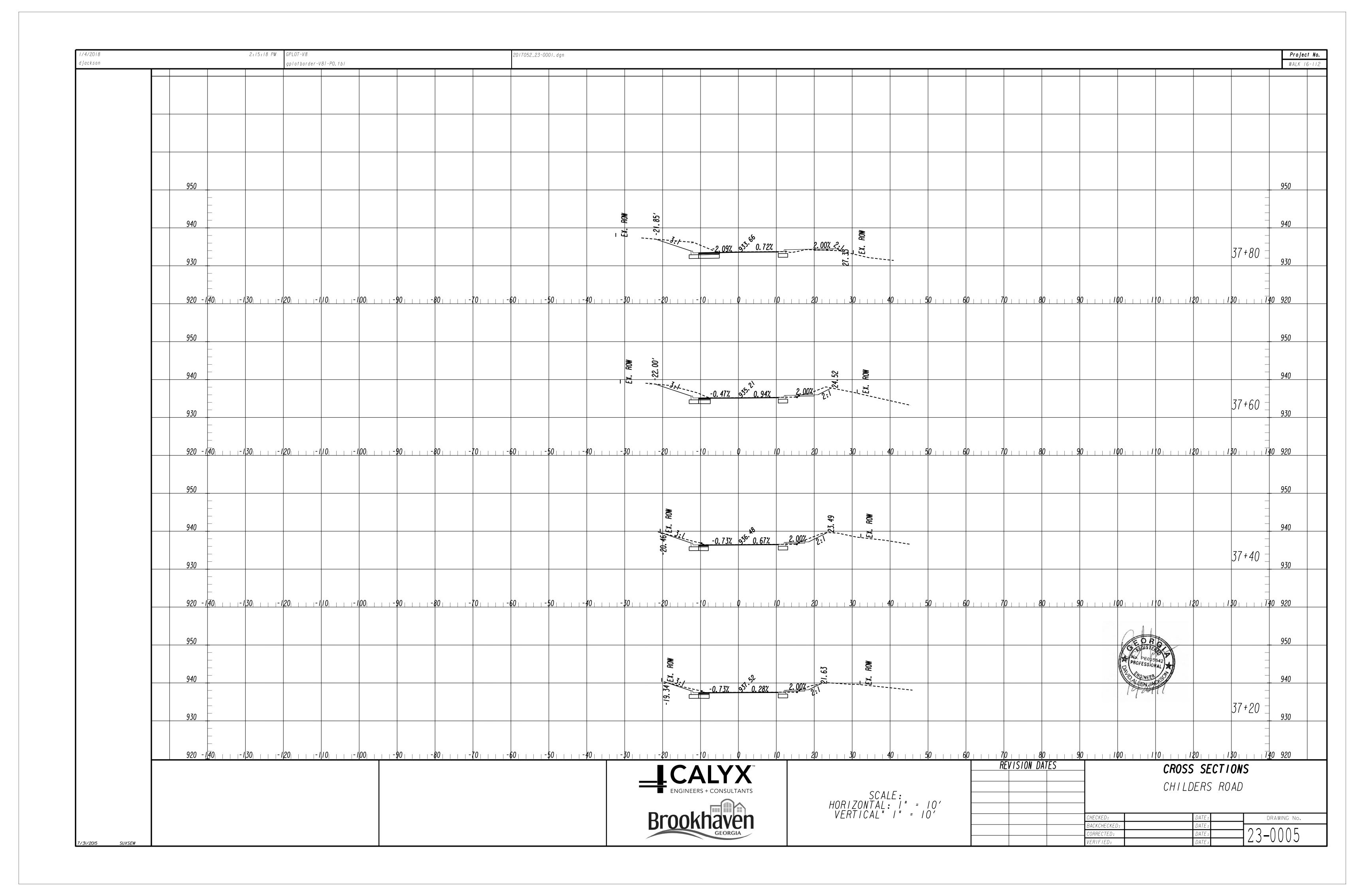


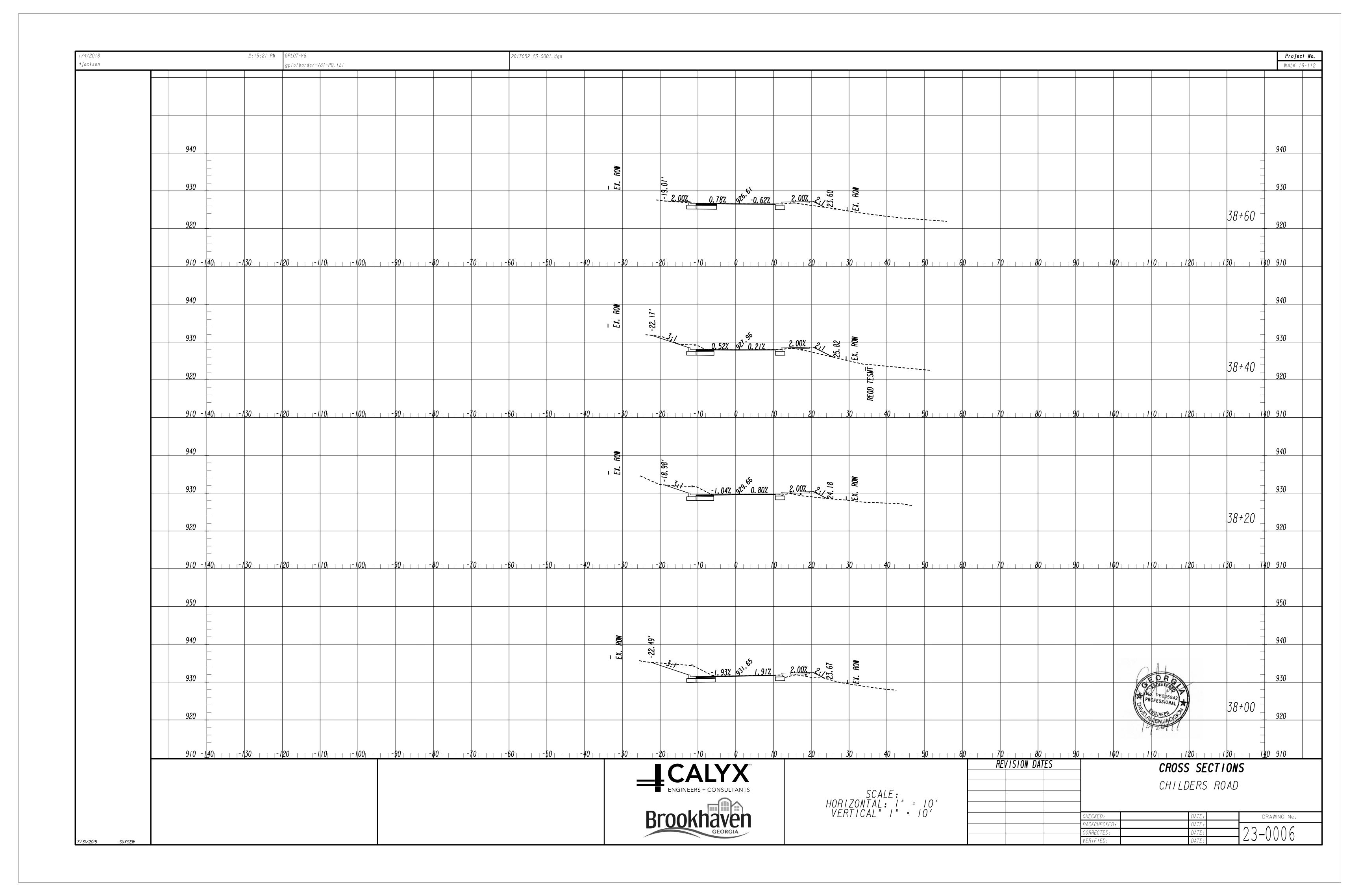


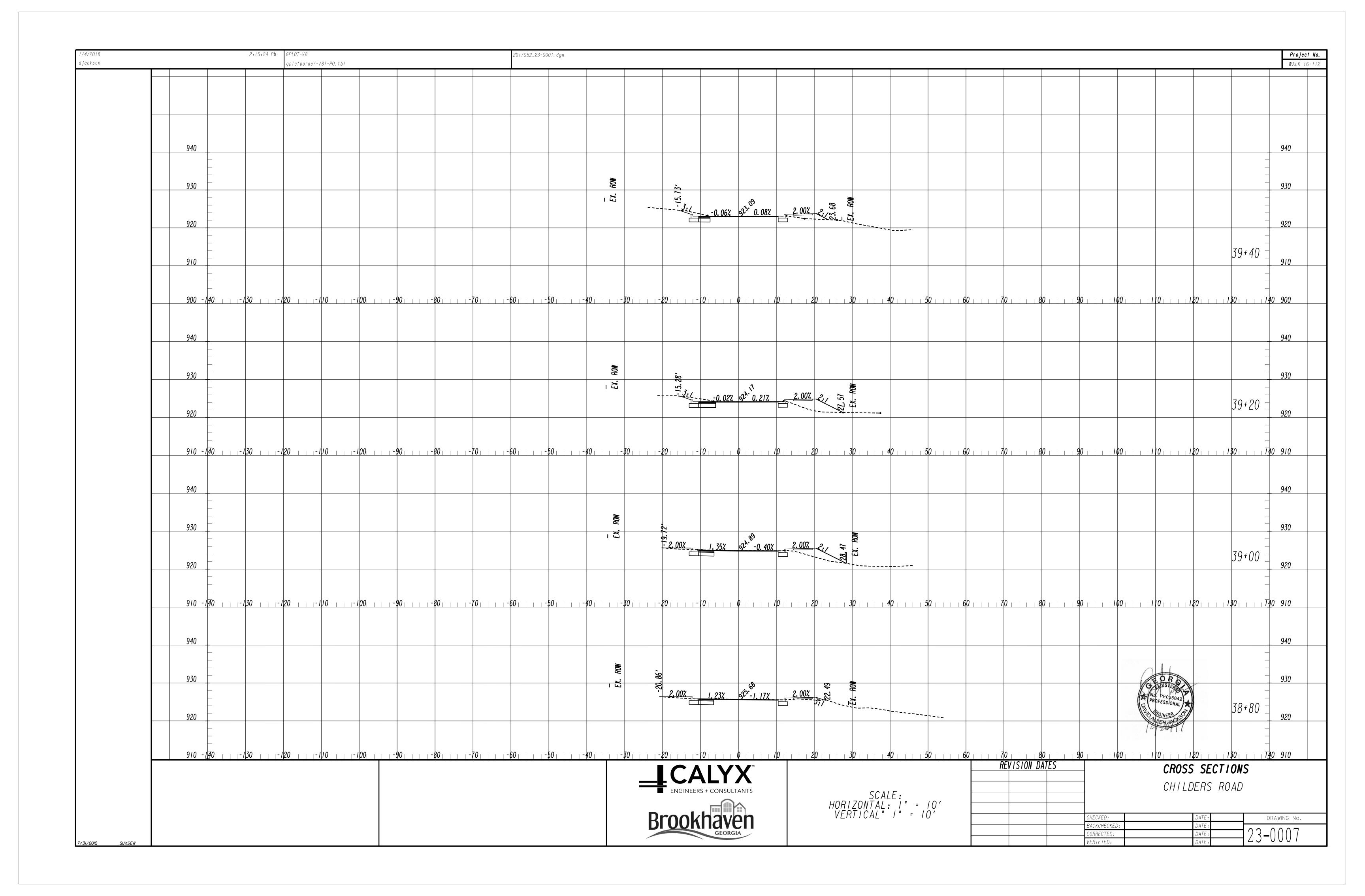


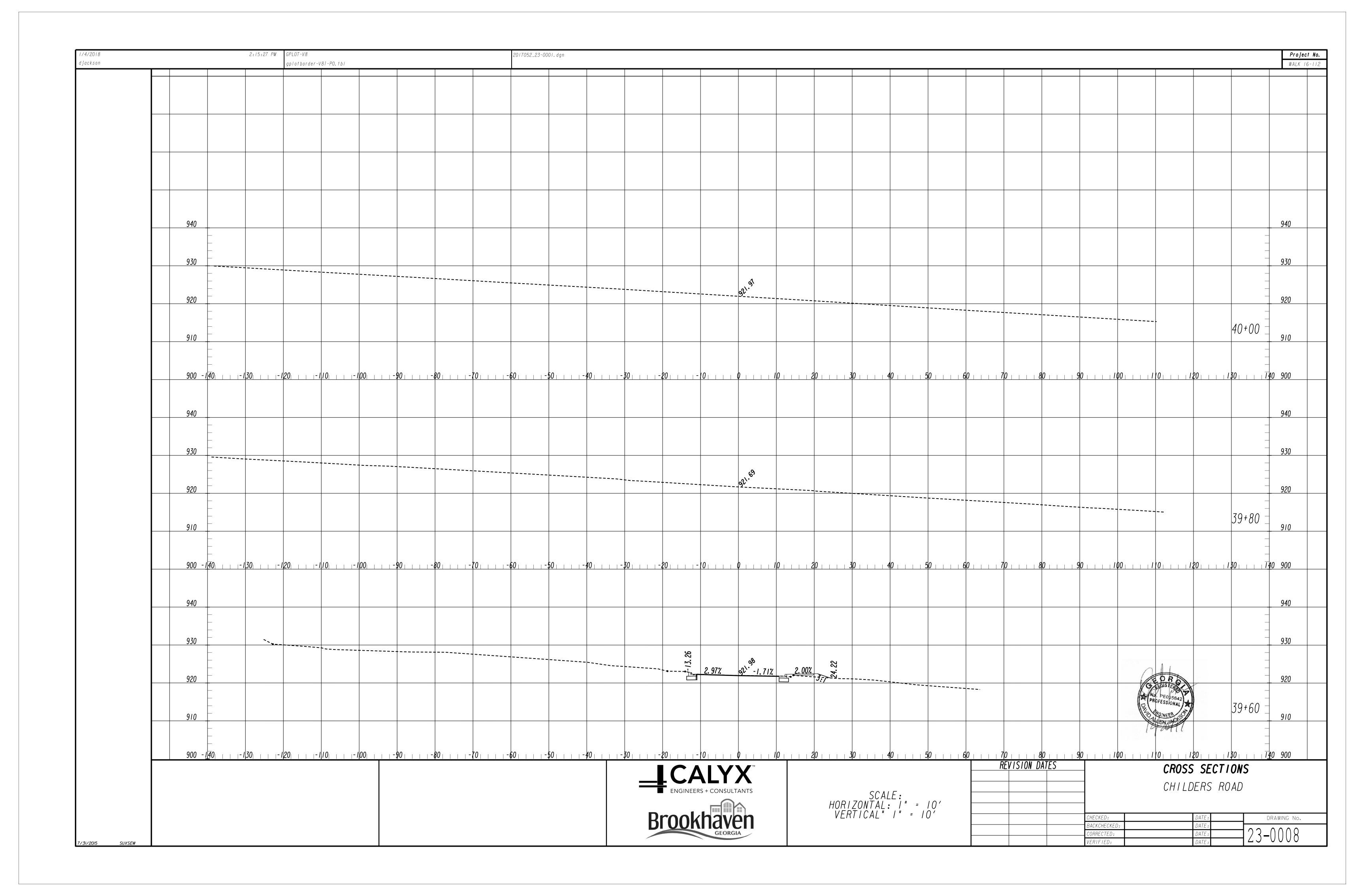


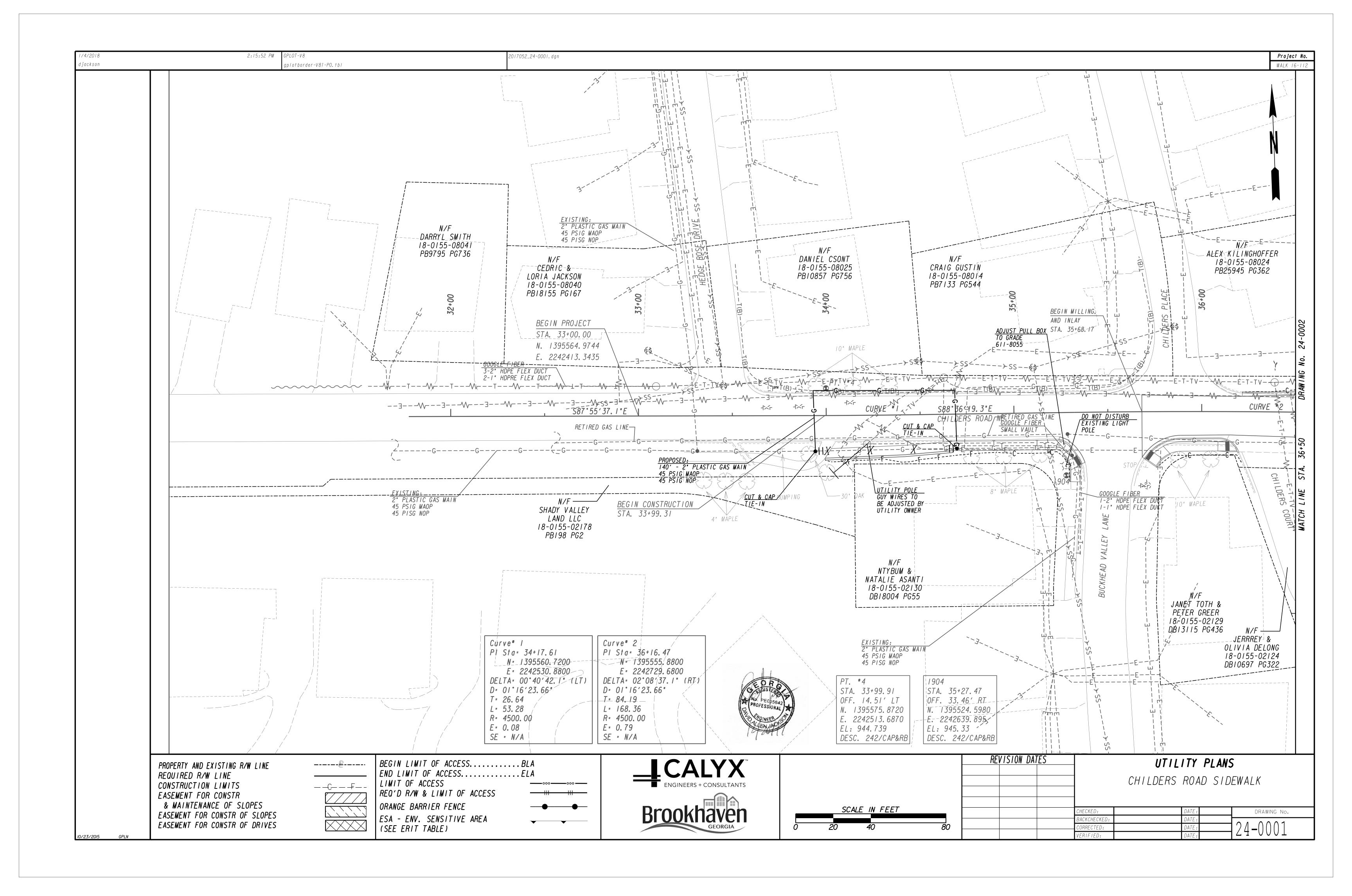


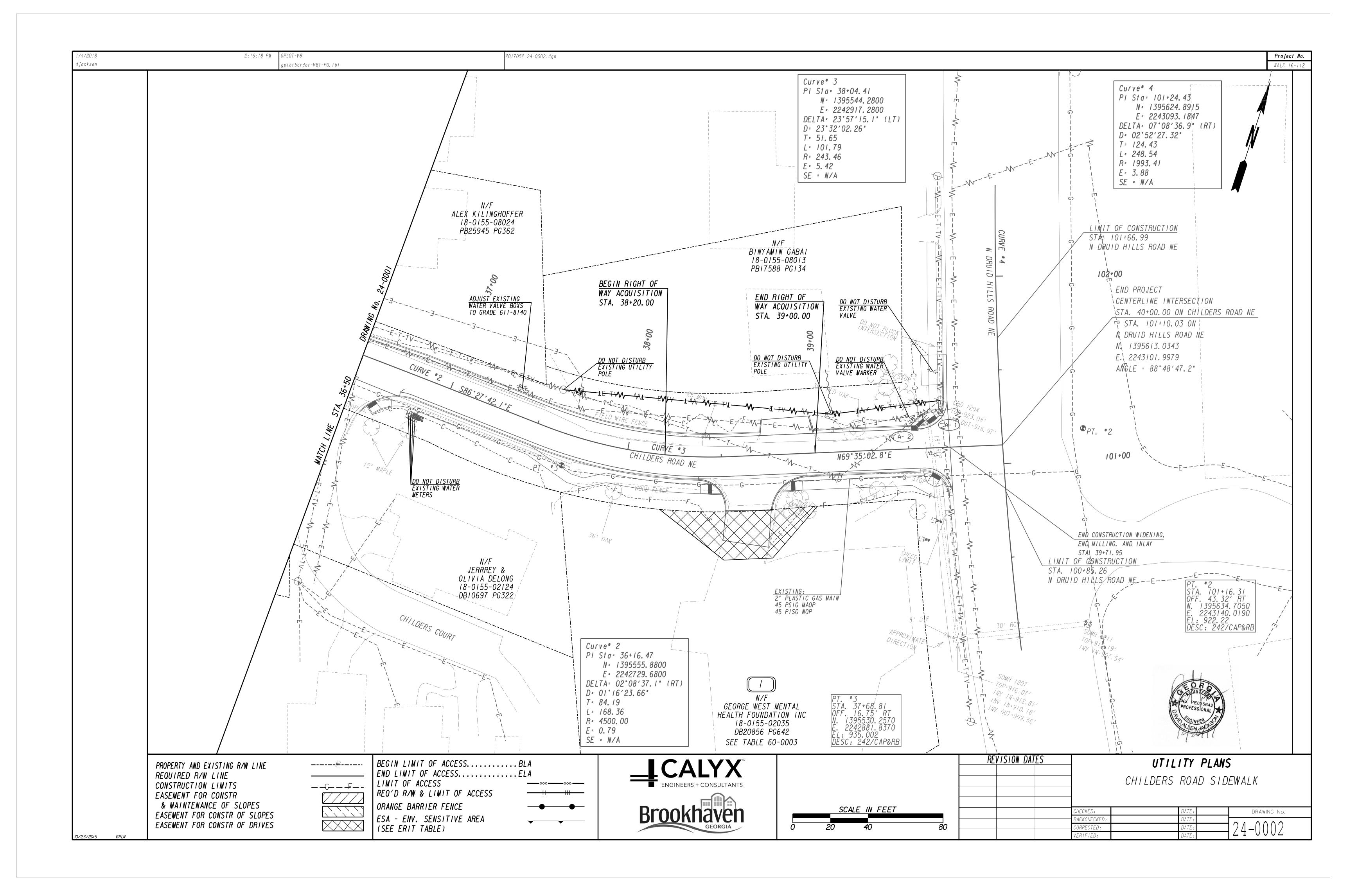


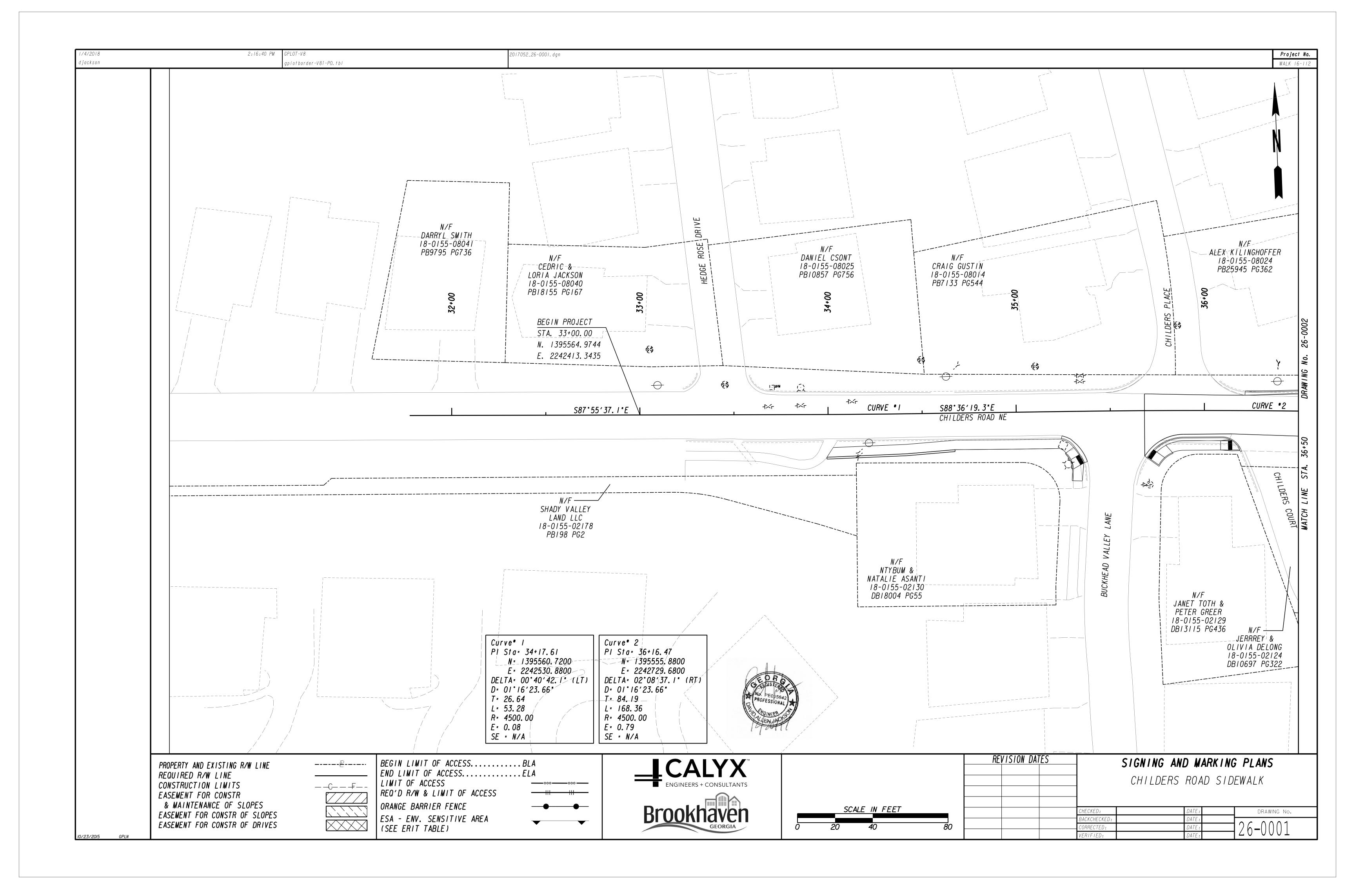


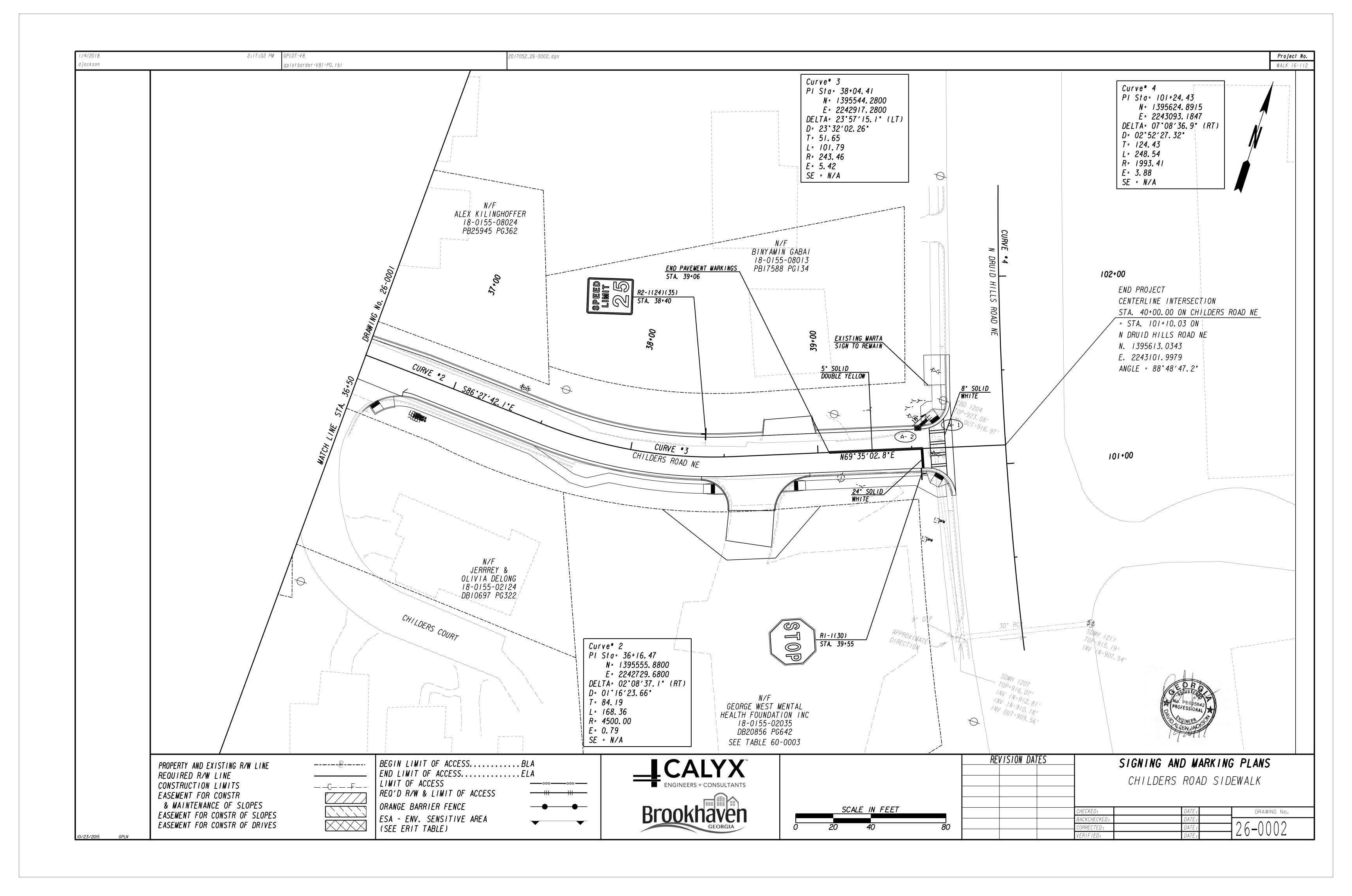


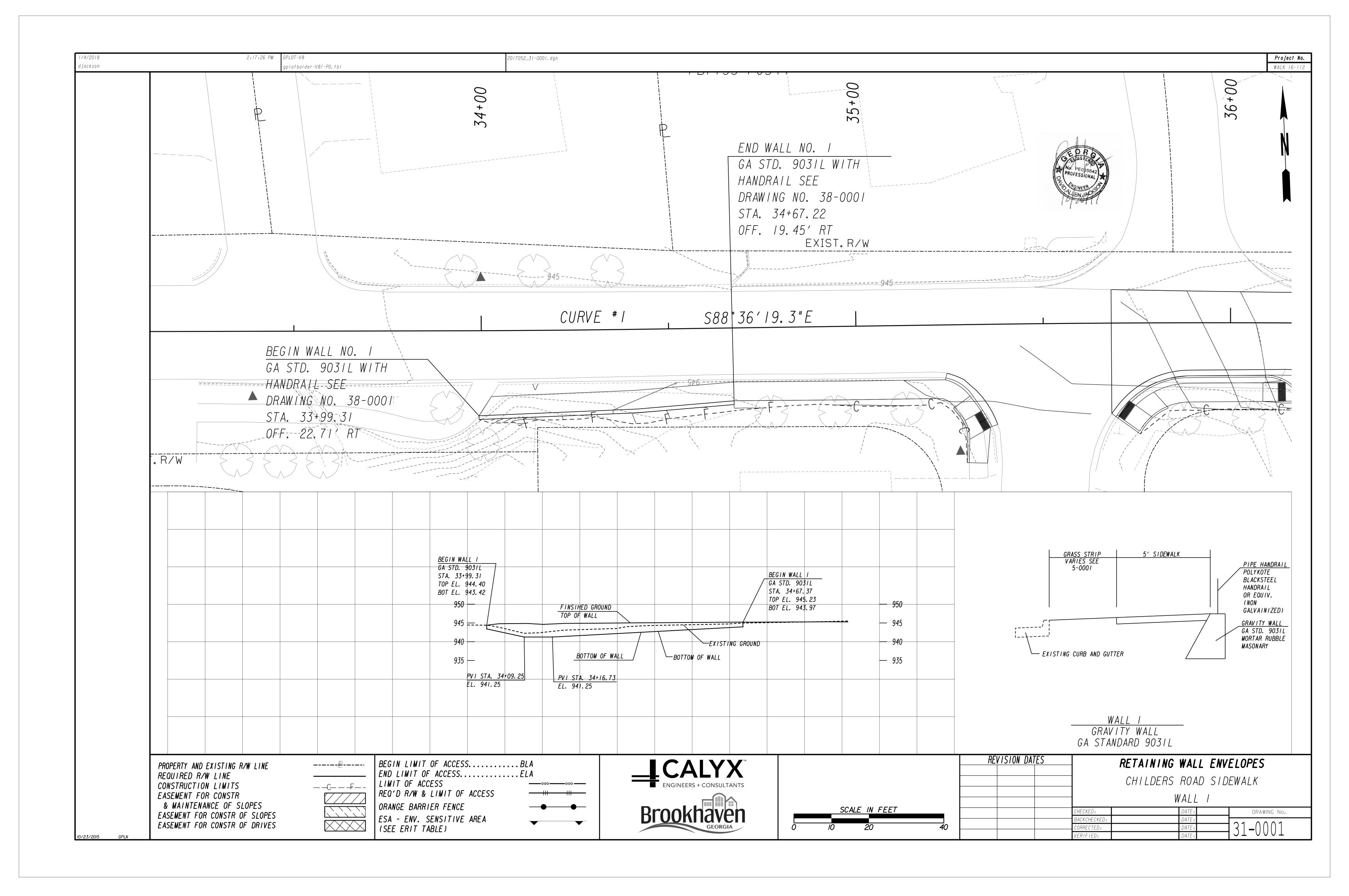










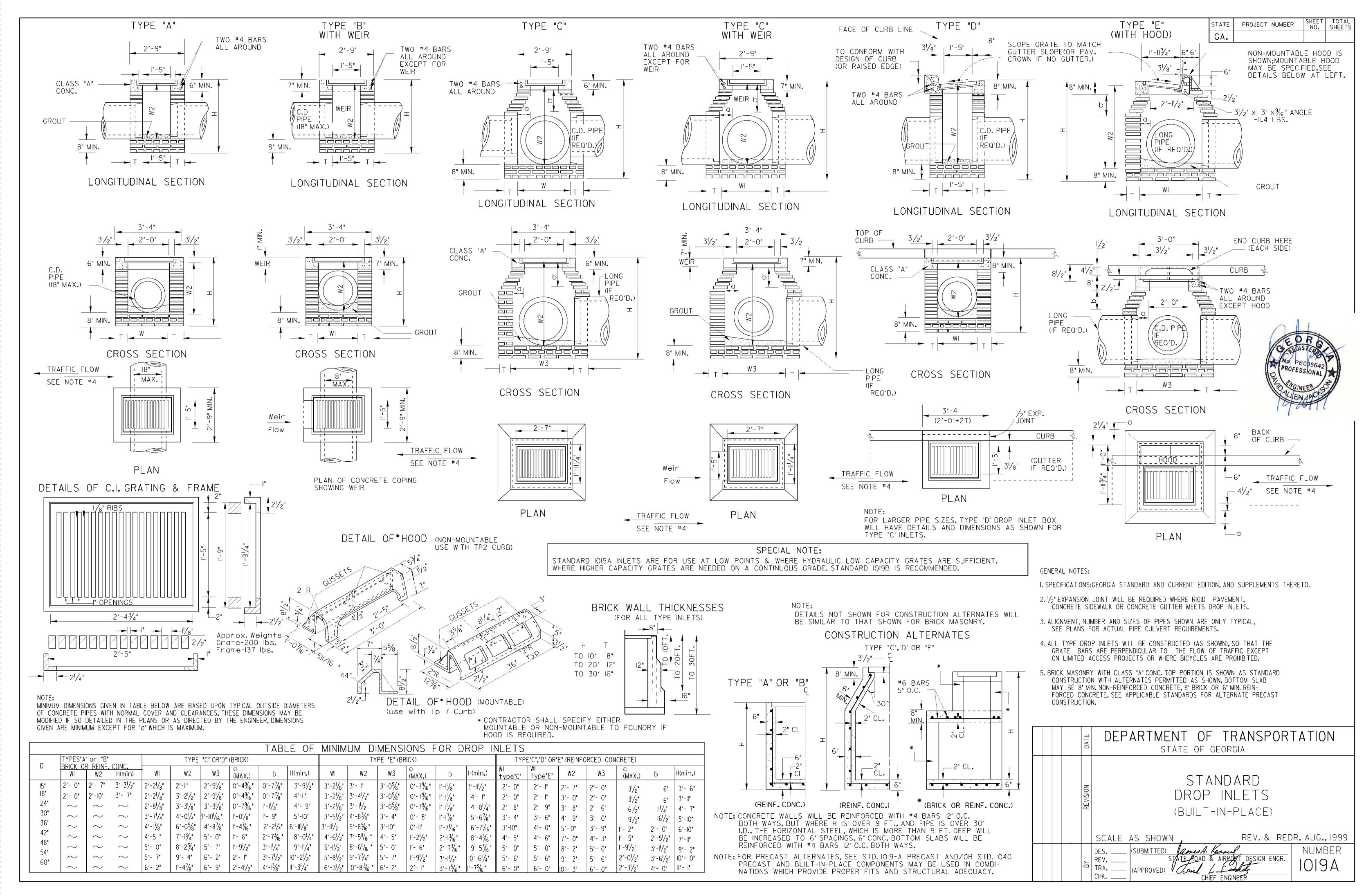


2:17:29 PM GPLOT-V8 2017052\_38-0001.dgn Project No. djackson WALK 16-11. plotborder-V8i-PO.tbl HANDRAIL DETAIL FOR RETAINING WALL NOTE: If wall is long, and expansion and contraction joints are used in the wall, slip joints are to be provided for in 6' - 0" Max. that section of handrailing  $\Re$  over the expansion or contraction joint. Stripping the threads in the part of the ball fittings where required to form a slip joint will be permitted. ■ I.9 "Non-Galvanized SteelPipe See Note No.3-Retaining Wall NOTE: Pipe, pipe fittings, floor flanges and bolts shallbe of an approved standard type. I. HANDRAIL AND POST SHALL BE 1.9" NON-GALVANIZED STEEL PIPE, BLACK POWDER COATED OR 1.9" ALUMINUM BLACK POLYKOTE SS40 PIPE. ASSOCIATED HARDWARE SHALL ALSO BE BLACK POWDER COATED. 2.JOINTS -G.) NON-GALVANIZED BLACK POWDER COATED STEEL FITTINGS OR COUPLINGS MAY BE USED AT JOINTS (AS SHOWN) IF RAIL IS PRE-FABRICATED. --0R-b.) IF RAIL IS CONSTRUCTED ON-SITE, JOINTS MAY
BE WELDED. IF WELDED, ALL EXPOSED JOINTS
SHALL BE FINISHED BY GRINDING OR FILLING 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 21/2" X 61/2" NON
GALVANIZED BLACK POWDER COATED FLOOR FLANGES

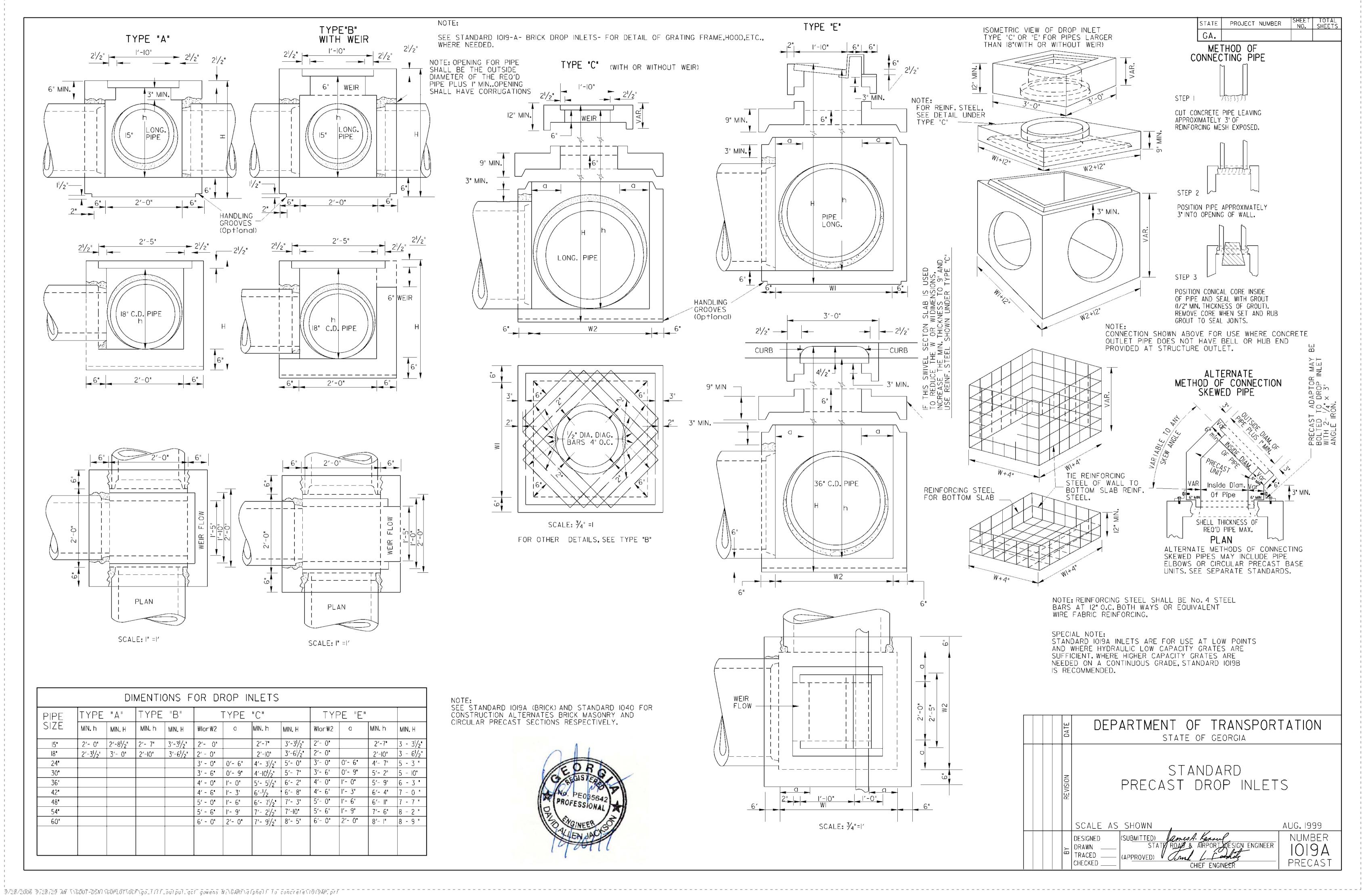
WITH 4 - 1/2" X 9" NON-GALVANIZED BLACK

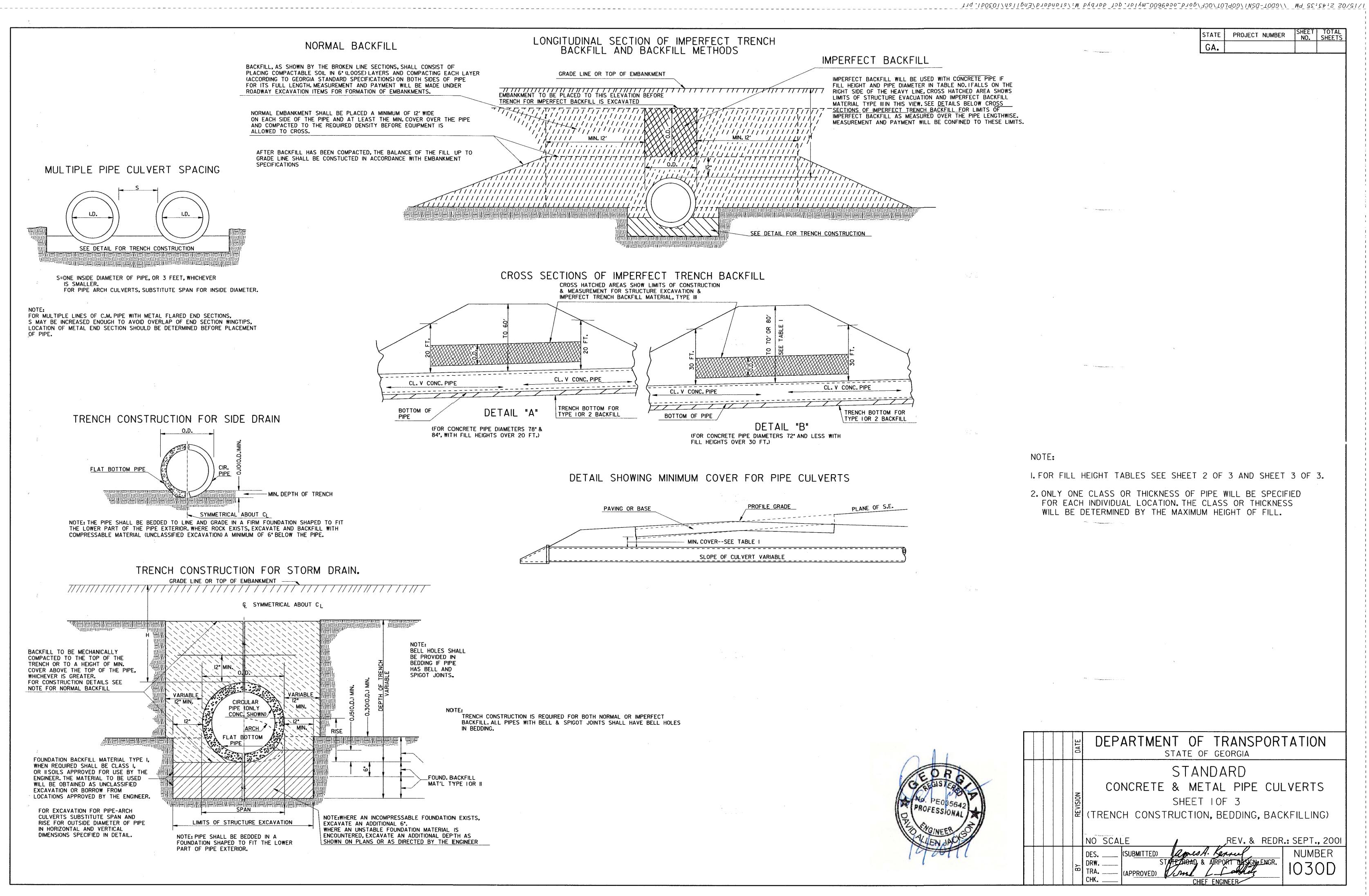
POWDER COATED BOLTS (AS SHOWN).

--OR-b.) POST MAY BE GROUTED IN 6" DEEP, 3" DIAM.
HOLE. TOTAL LENGTH OF POST WILL BE 6" GREATER
THAN THAT IN DETAILS TO GIVE SAME USEABLE
HEIGHT AS IF FLOOR FLANGES WERE USED. 4. I.9" DENOTES O.D. FOR RAIL SECTIONS. I.D. -  $1\frac{1}{2}$ ". REVISION DATES SPECIAL CONSTRUCTION DETAIL BEGIN LIMIT OF ACCESS.....BLA PROPERTY AND EXISTING R/W LINE -----<del>-</del>-----END LIMIT OF ACCESS.....ELA REQUIRED R/W LINE CHILDERS ROAD SIDEWALK LIMIT OF ACCESS CONSTRUCTION LIMITS REQ'D R/W & LIMIT OF ACCESS EASEMENT FOR CONSTR PIPE HANDRAIL & MAINTENANCE OF SLOPES ORANGE BARRIER FENCE DRAWING No. EASEMENT FOR CONSTR OF SLOPES ESA - ENV. SENSITIVE AREA *ACKCHECKEL* 38-0001 EASEMENT FOR CONSTR OF DRIVES (SEE ERIT TABLE)



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T SIDE OF ALUMINUM  $\bigcirc$  $\overline{\sim}$ VALUE: THE F CTION PIP ASS  $\Box$ ALUM ALUM  $\bigcirc$ 7 AND - ROUN MINIMUM  $\times$  L 0 R  $\bigcirc$ \_\_\_ Ш Ш LT -, <F'ECT BA JUT REQUIRED SHOWN ON THE THE HEAVY ' 1 0 R MINIMUM GREATER TRENCH STEEL STEEL ALL  $\Box$  $\triangleleft$ COVER NOTE GEN ADDED NO SCALE Ш

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 $\Box$ HAL CORRUGA G MINIMU ),000 PS  $\bigcirc$  $\langle \rangle$ ALUE ALUM 4-H34 1-H32 L MINIMUM (HES) VALUES O ALLOY HED AS WS: TABLE VALCLAD FURNISH!  $\triangleleft$ 

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD

CONCRETE & METAL PIPE CULVERTS SHEET 2 OF 3

(FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE)

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	PIPE DIAMETER (INCHES)	2	<u>5</u>	∞	24	30	36	42	84	54		9	72	78	84	06	96	102	801	<u>+</u>	120	
=	N 06 - 08																					
	70 - 80			.079	60	60																
$\mathbb{M}$	02 - 09			.079	60	60	60															
ALUMIN	20 - 60			.064	.079 .1 05		. 109	60														
ALRIB A	PIPE 40 - 50			.064	.079	.079	. 1 09	.1 35	60													
L -SPIR, Aluminl	VE TOP OF 35 - 40			.064	.105	.079	.079 .105	. 1 35			60	60										
STEE	30 - 35			.064	.064	.064	.079 .105	. 079 1. 05	.1 09	- 03	- 09 72		60 -									
RAL RIB S OF STEE				.064	.064	.064	.064	. 079 1. 05	9.079	. 079	- 09	.   35	. 1 35	60	60 -							
PE -SPIR HICKNESS	20 - 25			.064	.060	.064	.064	.1054	. 079 . 105	. 079	.079		. 1 09	60	60							=
	15-20			.064	.060	9064	.064	.064	.064	. 064	.079	. 079		60	60							\
LA ROU MINI	- 0 - 5			.064	.060	.064	.064	.064	.064	. 064	.079	. 079		60	60							7 // "/ 7
	0  -			.064	.060	.064	.064	.064	.1 05	. 064	.079	. 079		60	60							
TAB	MINIMUM COVER (INCHES)			1 2	2			2   2	24	24	75 - 75	24	1 8 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3	2	2							
	TYPE			STEEL R ALUM R	STEEL R ALUM R		11 11 11 11	STEEL R ALUM R	STEEL R ALUM R	STEEL R ALUM R	STEELR		STEEL R ALUM R	STEELR	STEELR							
	PIPE DIAMETER (INCHES)	2	<u>L</u>	<u>∞</u>	24	30	98	42	84	45			72	28	48	06	9	102	80	4	150	

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6/18/2007 10:38:56 AM \\GDUI-DSNI\GUPLUI\UCF\go\_fiff\_output.qct\_gowens\_M:\GARI\IUSUd\pages.prt\_GU-RD6\_\_\_\_\_\_\_\_\_

3/4" 3/4" SPIRAL RIB PROFILE DENOTES  $\simeq$ 

MINIMUM YIEL ADJUSTED AS JPON ALCLAD ALLOY 3004-H34), ALLOW ABLE FILL HEIGHTS SHT. (EXAMPLE: 12 IN. BECOMES T. (EXAMPLE: 35-40 FT. BECOM ABLE VALUES FOR ALUMINUM SPIRAL RIB PIPE ARE COMPUTED BASEI - ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 ( 1/5-20,000 P - A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY I 5 PERCE - B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY I 5 PERCE

"-34<sub>0</sub>0 F MAYFOR DED VER NE LOAD, MINIMUM CO -20 LIVE

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ALL INSTALLATIONS FOR S APPLY TO HS-2 CONTRACTOR. NIS REQUIRED F VALUES, OF THE C MINIMUM COVER V RESPONSIBILITY ( TRENCH CONSTRI

NO SCALE

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EEL AND IN FEET CORRUGATED ST HEIGHTS OF FILL .079 .079 .079 601. TABLE SHOWIN
CORRUGATED
ABOVE THE T
NOM.-MIN.
SPAN
INCH DIAMETER OF PIPE OF EQUAL PERI-PHERY INCH | 12 | 24 | 24 | 36 | 36 | 36 | 36 | 66 66 77 7 7 8 84 990 48 54 42 DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA STANDARD CONCRETE & METAL PIPE CULVERTS

SHEET 3 OF 3

(FILL HEIGHTS FOR SPIRAL RIB METAL PIPE & FOR PIPE ARCH)

(SUBMITTED) Agnes A. Kensul STATE ROAD & ABPORT DESIGN ENGINEER

(SUBMITTED)\_

PROJECT NUMBER

SEPT., 2001 NUMBER 19/27/2016 11:05:26 AM \\GDOT-DSNT\GOPLOT\QCF\OGC.qcf bquartes P:\Potfcy&Lighting\Standards\GA-Standards\1030P\Revision\_2016-7-6\1030P\_Revised\_2016-9-27.prf

CORRUGATED SMOOTH

INTERIOR

POLYVINYL CHLORIDE

(PVC)

ASTM F 949

NOMINAL

SIZE

(IN.)

12

15

18

21

24

30

36

ALLOWABLE PIPE SIZES

POLYPROPYLENE

NOMINAL

SIZE

(IN.)

12

15

18

24

30

36

42

48

PROFILE WALL

POLYVINYL

CHLORIDE

(PVC)

LAASHTO M 304

NOMINAL

SIZE

(IN.)

12

15

18

21

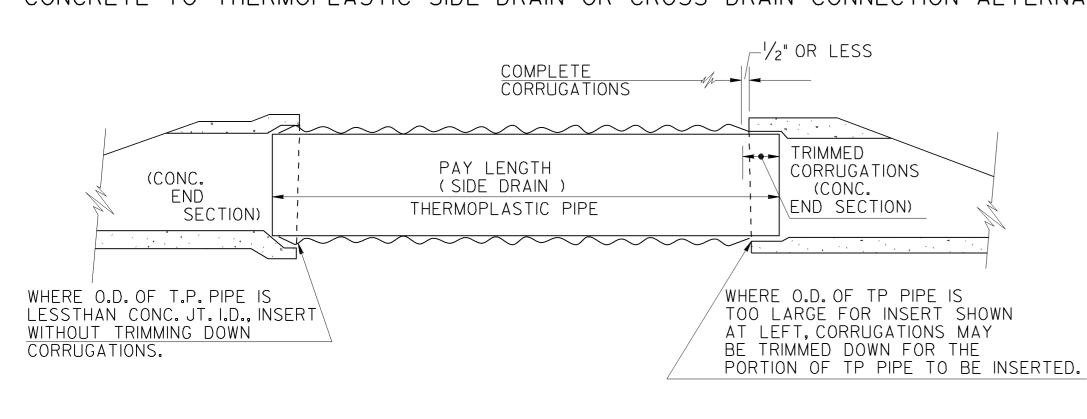
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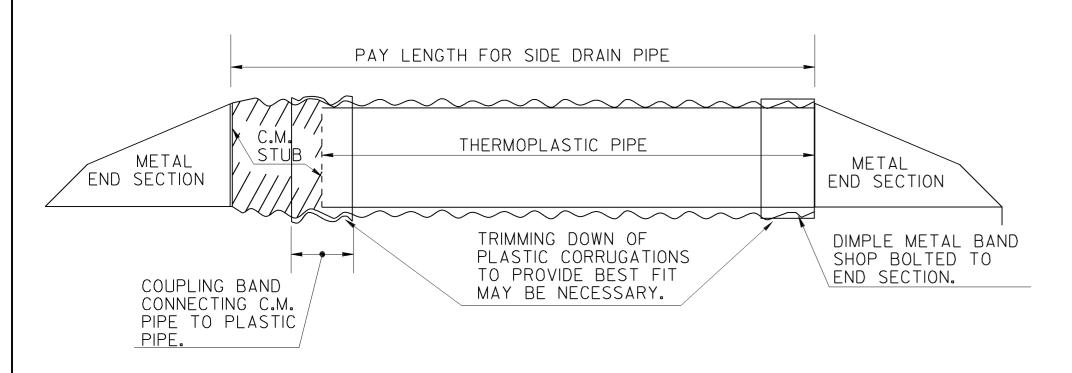
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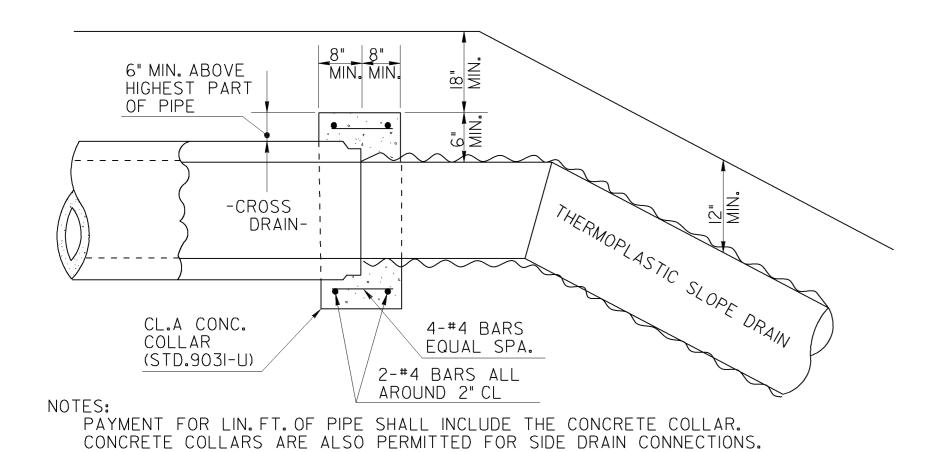


## METAL TO THERMOPLASTIC SIDE DRAIN CONNECTION ALTERNATES (SEE GENERAL NOTE NO.5)



NOTE: FOR PLASTIC SIDE DRAIN CONNECTIONS TO SAFETY END SECTIONS, SEE THE SMOOTH TAPERED SLEEVE CONNECTOR DETAILS (SEE GA STANDARD 1122 FOR SAFETY SLOPE END SECTIONS FOR SIDE DRAIN PIPES).

#### CROSS DRAIN TO THERMOPLASTIC SLOPE DRAIN CONNECTION



CONNECTIONS SHOWN ABOVE FOR SIDE DRAIN ARE NOT PERMITTED FOR

SLOPE DRAIN CONNECTIONS.

 $(1.5 \times 0.D.) + 12"$ EXCAVATED TRENCH WIDTH (MIN.) 2' MINIMUM BACKFILL TO BE MECHANICALLY COMPACTED 20' MAX - HDPE IN 6" LAYERS TO THE TOP OF THE TRENCH 25' MAX - PP & PVC OR TO A HEIGHT OF MIN. COVER ABOVE THE (SEE BACKFILL REQUIREMENT TABLES) TOP OF THE PIPE, WHICHEVER IS GREATER. FOUNDATION BACKFILL MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR BORROW FROM LOCATIONS APPROVED PIPE ZONE BY THE ENGINEER. I/IO O.D. MIN DEPTH TRENCH SHAPED TO FIT LOWER PART OF PIPE (TYP.) BEDDING NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, / FOUNDATION / 4" FOR 12"-24" PIPE 6" FOR 30"-48" PIPE EXCAVATE AN ADDITIONAL 6". MAY NOT BE REQUIRED 🦠 WHERE AN UNSTABLE FOUNDATION MATERIAL IS (THE ENGINEER MAY SPECIFY ENCOUNTERED. EXCAVATE AN ADDITIONAL DEPTH AS TP II BACKFILL FOR WET AREAS.) SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

MULTIPLE PIPE SPACING: A CLEAR SPACE EQUAL TO TWO TIMES THE INSIDE DIAMETER,

OR 6 FT., WHICHEVER IS LESSER SHALL BE REQUIRED

BETWEEN MULTIPLE LINES OF THERMOPASTIC PIPE.

#### BACKFILL REQUIRMENT TABLES

S	STORM DRAIN INSTALLATIONS							
PIPE TYPE	MAX. FILL HEIGHT (FT)	INITIAL BACKFILL TYPE	FOUNDATION BACKFILL TYPE					
HDPE	20	STRUCTURAL	CLASS    B2 OR BETTER					
PVC	25	STRUCTURAL	CLASS 11 B3 OR BETTER					
PP	25	STRUCTURAL	CLASS II B3 OR BETTER					

SIDE DRAIN (DRIVEWAY) INSTALLATIONS						
	(FILL HEIGHTS	UP TO IO-FT	)			
PIPE TYPE	MAX. FILL HEIGHT (FT)	INITIAL BACKFILL TYPE	FOUNDATION BACKFILL TYPE			
HDPE	10	CLASS 11B2 OR BETTER	CLASS II B2 OR BETTER			
PVC	10	CLASS    B3 OR BETTER	CLASS II B3 OR BETTER			
PP	10	CLASS 11 B3 OR BETTER	CLASS    B3   OR BETTER			

SIDE DRAIN (DRIVEWAY) INSTALLATIONS (FILL HEIGHTS ABOVE 10-FT)							
PIPE TYPE	MAX. FILL HEIGHT (FT)	INITIAL BACKFILL TYPE	FOUNDATION BACKFILL TYPE				
HDPE	20	STRUCTURAL	CLASS II B2 OR BETTER				
PVC	25	STRUCTURAL	CLASS 11 B3 OR BETTER				
PP	25	STRUCTURAL	CLASS    B3   OR BETTER				

INITIAL BAG	CKFILL & BEDD	ING QUANTITIES		
NOMINAL SIZE	INITIAL BACKFILL	BEDDING		
(IN.)	(FT <sup>3</sup> /LF)	(FT <sup>3</sup> /LF)		
12	4.22	0.83		
15	5.24	0.96		
18	6.36	1.08		
24	8.86	1.33		
30	II <b>.</b> 72	2.38		
36	14.94	2.75		
42	18.51	3.13		
48	22.44	3.50		

NOTE: BACKFILL AND BEDDING QUANTITIES ARE BASED ON TYPICAL I.D. OF PIPES

#### GENERAL NOTES:

I. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.

HIGH DENSITY

POLYETHYLENE

(HDPE)

NOMINAL

SIZE

 $(IN_{\bullet})$ 

12

15

18

24

30

42

48

AASHTO M 294 AASHTO M 330

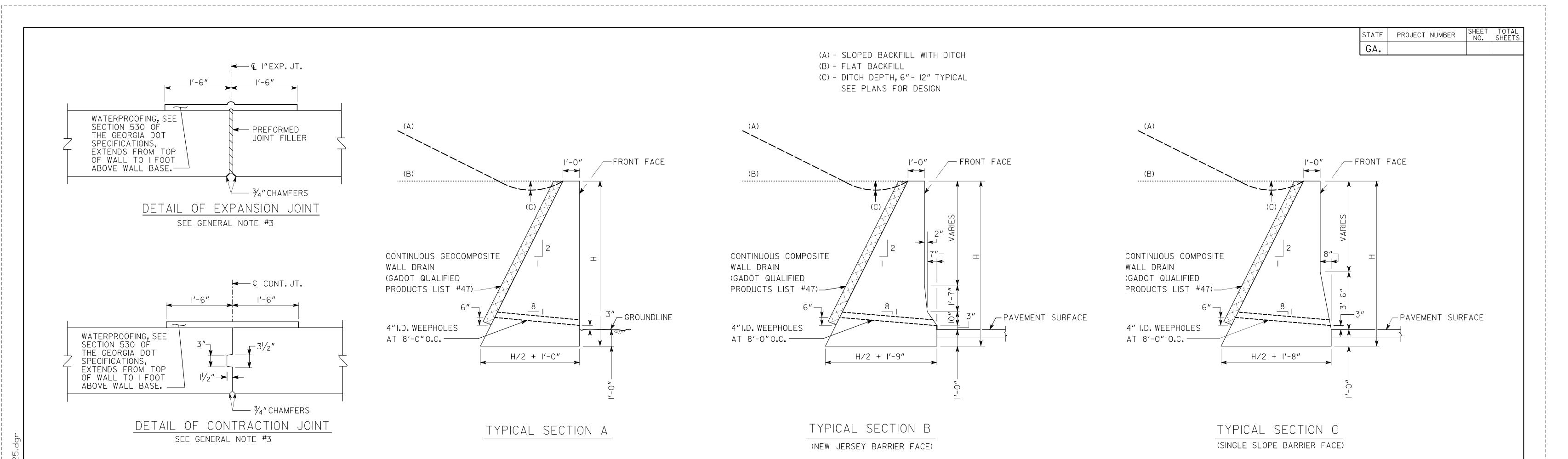
- 2. THE MINIMUM COVER SHALL BE 24" FOR STORM AND SIDE DRAINS AND 12" FOR SLOPE DRAIN PIPE.
- 3. THE MAXIMUM HEIGHT OF FILL SHALL BE:
- 20' FOR HIGH DENSITY PLYETHYLENE (HDPE)
- 25' FOR POLYVINYL CHLORIDE (PVC)
- -25' FOR POLYPROPYLENE (PP)
- 4. MINIMUM PIPE STIFFNESS SHALL BE IN ACCORDANCE WITH AASHTO M 294, TYPE "S" FOR HDPE PIPE, AASHTO M 304 FOR PROFILE WALL PVC PIPE, AASHTO M 330 FOR PP PIPE, AND ASTM F 949 FOR CORRUGATED SMOOTH INTERIOR PVC PIPE.
- 5. METAL FLARED END SECTIONS PER STD. 1120 ARE PERMITTED ONLY WHERE THE PLANS LIST PLAIN CORRUGATED STEEL PIPE AS AN ALLOWABLE ALTERNATE FOR THE CULVERT.
- 6. GRADED AGGREGATE MEETING SUBSECTION 815.2.01 SHALL BE USED FOR STRUCTURAL BACKFILL IN ACCORDANCE WITH BACKFILL REQUIREMENT TABLES AND WILL NOT BE PAID FOR SEPARATELY. PAYMENT WILL BE INCLUDED IN THE OVERALL PRICE BID FOR PIPE.
- 7. NORMAL BACKFILL MATERIAL MEETING SUBSECTION 810.2.01 MAY BE USED FOR SIDE DRAIN APPLICATIONS FOR FILL HEIGHTS UP TO 10 FT IN ACCORDANCE WITH TYPE AND CLASS LISTED IN THE BACKFILL REQUIREMENT TABLES. IF THE REQUIRED SOIL CLASS IS NOT AVAILABLE USE GRADED AGGREGATE MATERIAL MEETING SUBSECTION 815.2.01.

DRAWN B.J.Q. (APPROVED) Margaret B



DATE	DEPARTMENT OF TRANSPORTATION State of Georgia
	STANDARD
REVISION	THERMOPLASTIC PIPE
	NO SCALE REVISED SEPTEMBER, 2016
	DESIGNED (SUBMITTED) But A Star NUMBER

STATE DESIGN POLICY ENGINEER



	MAXIMUM	"H" *	
BACKSLOPE	TYP. SECTION A	TYP.SECTION B **	TYP.SECTION C **
FLAT	8'-6"	10'-0"	10'-0"
SLOPE TO 48	6'-3"	7'-0"	7'-0"
SLOPE TO 2:1	4'-6"	4'-9"	4'-9"

- \* GREATER "H" PERMITTED IF APPROVED BY BRIDGE DESIGN.
- \*\* TYPICAL SECTION B SHALL HAVE A MINIMUM H OF 3'-8"
  TYPICAL SECTION C SHALL HAVE A MINIMUM H OF 4'-6"

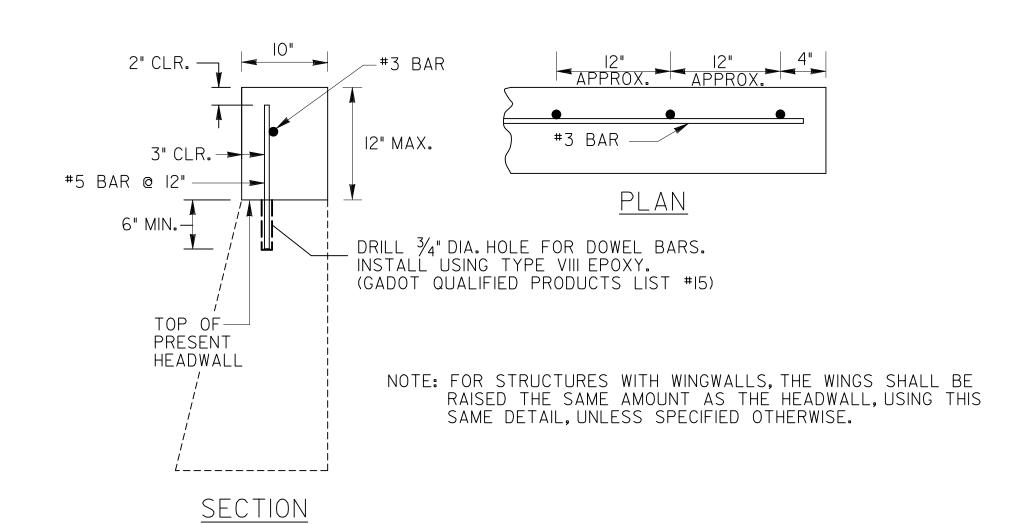
#### GENERAL NOTES:

- I. GRAVITY WALLS SHALL NOT BE USED WHEN HORIZONTAL DISTANCE FROM EDGE OF TRAVEL WAY TO FRONT FACE OF WALL IS LESS THAN (H + 1'0").
- 2. GRAVITY WALLS DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

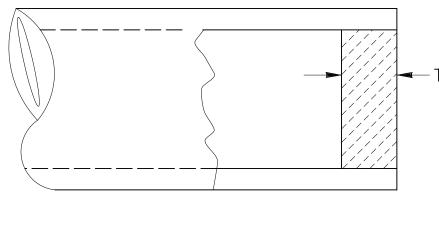
	FOUNDATION	BACKFILI
COHESION =	0 PSF	0 PSF
θ =	: 28°	28°
UNIT WEIGHT =	: 120 PCF	120 PCF

- 3. EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 90'-0" AND EXTEND THROUGH THE WALL. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 30'- 0".
- 4. GRAVITY WALLS WITH A VERTICAL FRONT FACE SHALL BE PAID FOR AS "CLASS B CONCRETE OR MORTAR RUBBLE MASONRY, RETAINING WALL". GRAVITY WALLS WITH A BARRIER FRONT FACE SHALL BE PAID FOR AS "CLASS A CONCRETE, RETAINING WALL". WATERPROOFING, JOINT FILLER, WALL DRAIN, AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN OVERALL
- 5. A CONCRETE DITCH DETAIL FOR THE TOP OF THE WALL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN WATER IS FLOWING TOWARDS THE BACK OF THE WALL. SEE CONSTRUCTION DETAIL D-49.
- 6. FINISH EXPOSED SURFACES OF THE WALL WITH A TYPE III FINISH.
- 7. APPLY GRAFFITI PROOF COATING AS PER SECTIONS 500 AND 838 OF THE GEORGIA DOT SPECIFICATIONS.
- 8. ALL NECESSARY FENCE AND HANDRAIL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN APPROPRIATE.
- 9. GRAVITY WALL TYPICAL SECTIONS A, B, AND C HAVE BEEN DESIGNED PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014.

## DETAIL FOR RAISING HEADWALL



## TYPICAL PIPE PLUG



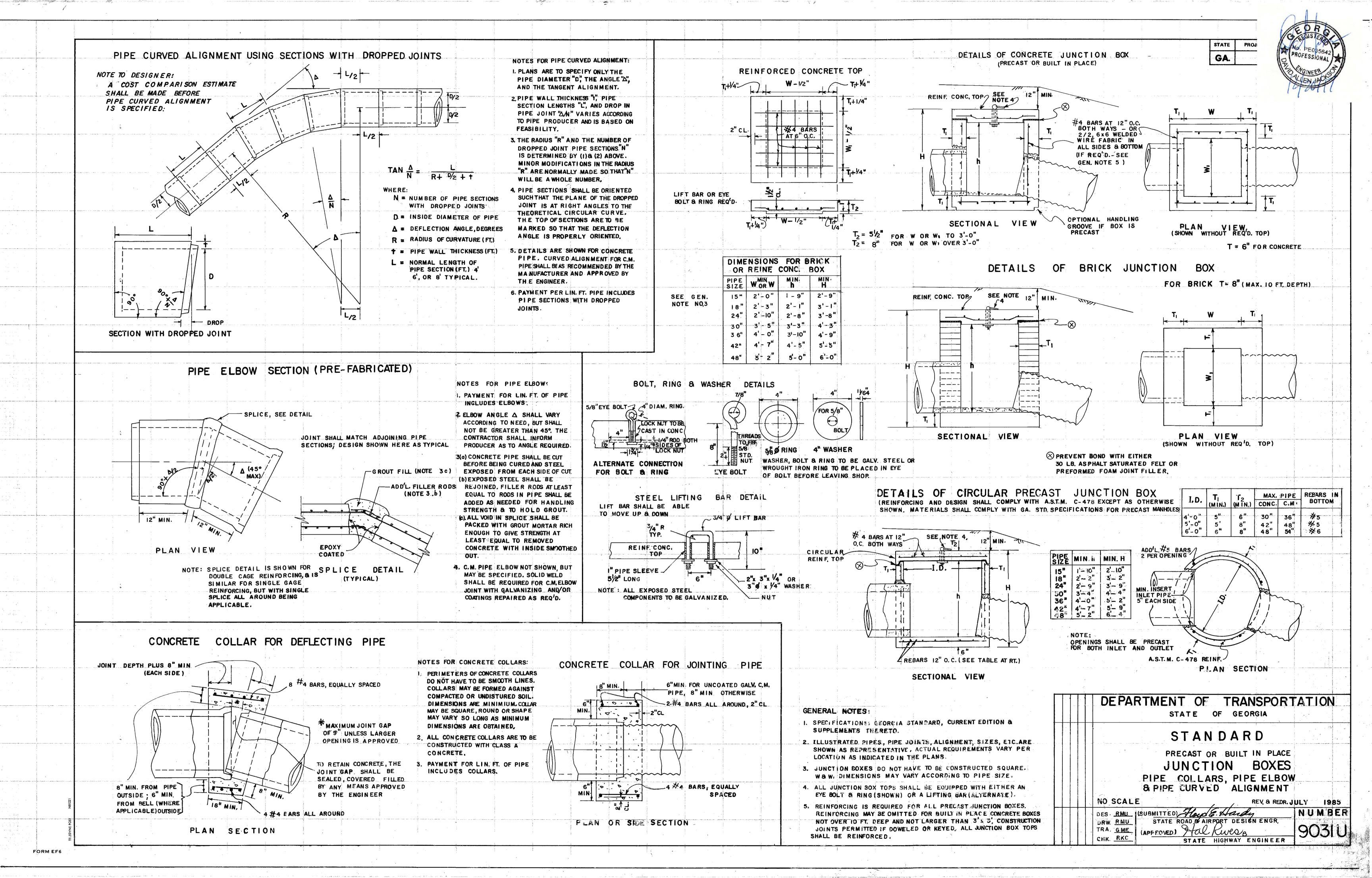
SECTION

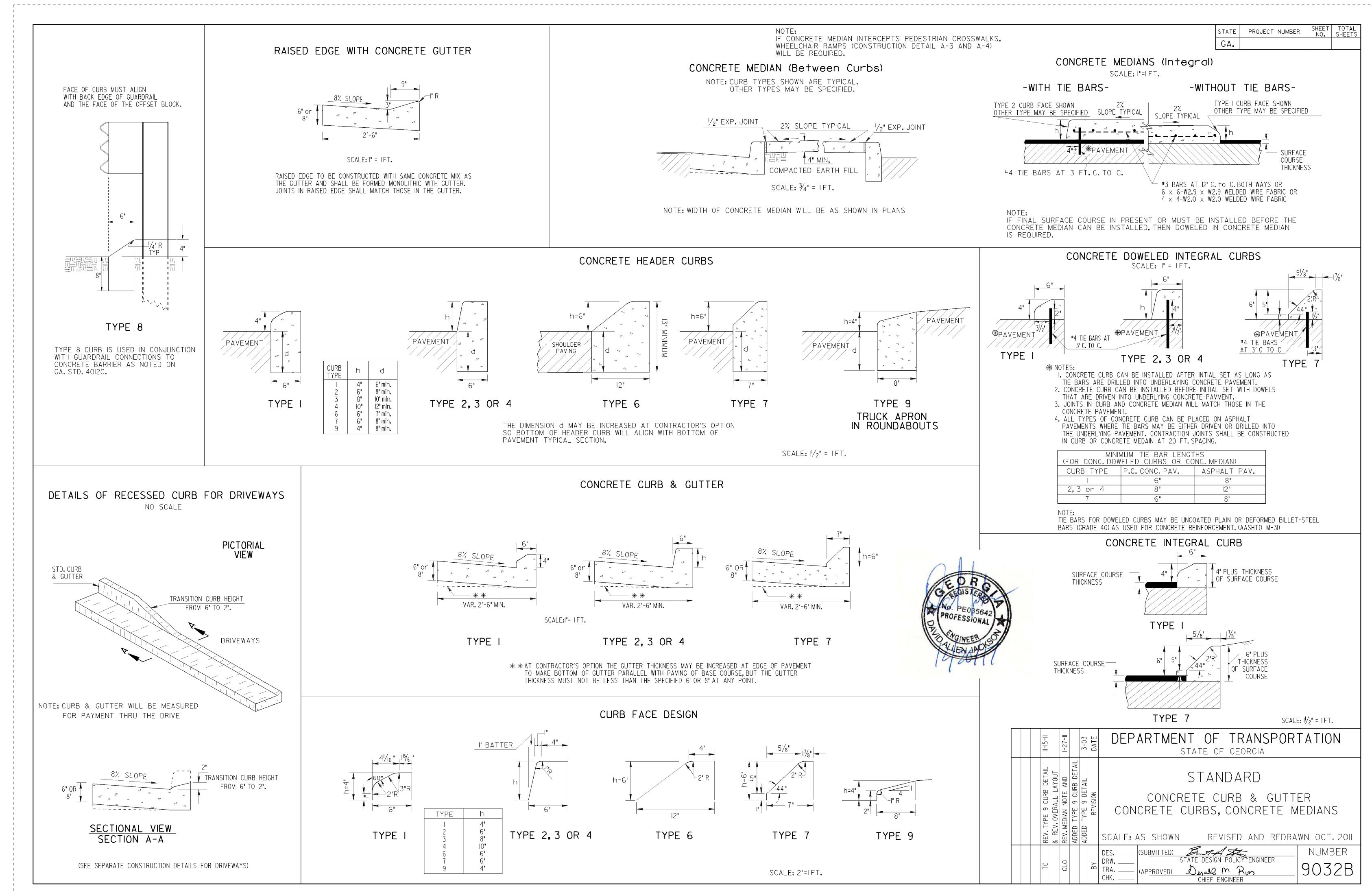
NOTE: PLAN PAY QUANTITIES ARE TO REFLECT PIPE PLUGS AS CU. YDS. OF CL. B CONCRETE. ON CONSTRUCTION PLUGS MAY BE BUILT WITH BRICK MASONRY, MORTAR RUBBLE MASONRY, CL. A CONC., OR CL. B CONC. WITH NO ADJUSTMENT IN PAYMENT MADE FOR ALTERNATES.

D	T (MIN)	PIPE PLUG (CU. YDS.)
12"	8"	0.0194
I5"	8"	0.0303
l8"	8"	0.0436
24"	8"	0.0776
30"	8"	0.1212
36"	8"	0.1745
42"	8"	0.2376
48"	8"	0.3103
54"	12"	0.5890
60"	12"	0.7272
66"	12"	0.8799
72"	12"	1.0472



DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
REVISION	STANDARD  GRAVITY WALL TYPICAL SECTIONS,  RAISING HEADWALL, AND  TYPICAL PIPE PLUG			
	NO SCALE: REV. & REDR. SEPT, 2016	5		
	REV. & C.E.W. (SUBMITTED)  REDR. STATE ROAD & AIRPORT DESIGN ENGR.  CHK. D.D.F. (APPROVED)  STATE HIGHWAY ENGINEER  NUMBER  9031L  SHEET 1 OF 2			





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#### **TEMPORARY** RAISED PAVEMENT MARKER DETAIL INSTALLATION PATTERN FOR LATERAL MAINLINE SHIFTS AND CROSSOVER OPERATIONS. ALSO APPLICABLE FOR DETOURS (AND BY-PASSES). → \* TYPE 2 STD. RPM CONT. PATTERN TO THE END REFLECTIVE REFLECTOR TO FACE TRAFFIC 4" SOLID WHITE LINE (MIN.) ⊋ OF LANELINE \* TYPE (YELLOW) TRAFFIC SHALL BE USED FOR 20′ CENTERLINE ON 2-WAY ROADWAYS. TYPE 3 TRANSITION SECTION (VARIES) (WHITE/RED) SHALL BE USED AS SPECIFIED PAVEMENT MARKER INSTALLATION SHALL BEGIN 60 FEET IN ADVANCE OF BEGINNING OF THE SHIFT OR TRANSITION ALIGNMENT, CONTINUE THRU THE TRANSITION AREA, & EXTEND 60 FEET BEYOND THE INTERSECTION WITH THE TEMPORARY ALIGNMENT. TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE GA. STD. SPECIFICATIONS.

### STANDARD LEGEND

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•	STRIPED DRUM
	TYPE III BARRICADES
×	SPECIAL BARRICADE WITH BI-DIRECTIONAL, TYPE "C" STEADY BURNING LIGHT OR HIGHWAY SIGN AS SPECIFIED (SEE DETAIL)
<b></b>	SEQUENTIAL OR FLASHING ARROW
$\vdash$	PORTABLE CHANGEABLE MESSAGE SIGN
-	PERMANENT TYPE POST MOUNTED SIGN
$\bigcirc$	TEMPORARY POST MOUNTED SIGN
K	PORTABLE MOUNTED SIGN - FLAGS NOT REQUIRED
	WORK AREA
<b>A</b>	TRAFFIC CONE - 28" MIN (DAYTIME USE ONLY)
•	FLAGGER WITH STOP-SLOW PADDLE
	TRAFFIC IMPACT ATTENUATOR (CRASH CUSHION)
—0	TYPE I CLEAR (WHITE) DELINEATOR - SINGLE FACE
<b>—•</b>	TYPE I YELLOW DELINEATOR - SINGLE FACE
$-\infty$	TYPE I CLEAR (WHITE) DELINEATOR DOUBLE FACE
	TYPE   YELLOW DELINEATOR DOUBLE FACE

STATE PROJECT NUMBER SHEET TOTAL SHEETS

#### GENERAL NOTES :

- I. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS: THE MUTCD: THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS, (SEE SECTION 150)
- ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- 3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF IFOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
- 4. WHEN THE CONSTRUCTION AREA HAS ENTRANCE/EXIT RAMPS OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
- FOR NIGHT TIME OPERATIONS, DRUMS SHALL HAVE, FOR THE LENGTH OF THE TAPER ONLY, A SIX (6") INCH ORANGE REFLECTIZED TOP STRIPE ON EACH DRUM IN THE TAPER AS REQUIRED IN SECTION 150. SPACING OF DEVICES SHALL BE AS SHOWN. DURING DAYLIGHT HOURS, CONES (28" MIN.) MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
- 6. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD.
- A PORTABLE SELF-SUSTAINED SEQUENTIAL OR FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CAUTION MODE.
- 8. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENTLY MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
- 9. PROJECT SIGNS W20-1, G20-1 & G20-2 FOR THIS PROJECT SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION PROJECTS. ONLY ONE SET OF SIGNS IS REQUIRED IN EACH DIRECTION FOR THE TOTAL LENGTH OF ALL PROJECTS-AT THE BEGINNING OF THE FIRST PROJECT AND AT THE ENDING OF THE LAST PROJECT. ADVANCE CONSTRUCTION SIGNS ARE NOT REQUIRED ON INTERMEDIATE PROJECTS, UNLESS CONSTRUCTION ON THE ADJACENT PROJECTS IS COMPLETED BEFOREHAND, THEN PROJECT CONSTRUCTION SIGNS WILL BE ADDED AS NECESSARY.
- 10. ALL THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL SECTION 150, LUMP SUM, WHEN SHOWN AS A PAYMENT ITEM IN THE PROPOSAL. OTHERWISE, ALL THE COST WILL BE INCLUDED IN THE OVER-ALL BID SUBMITTED, EXCEPT ON CERTAIN PROJECTS SOME ITEMS MAY BE PAID FOR SEPARATELY BY THE UNIT WHEN SPECIFIED ON THE PLANS AND IN THE PROPOSAL.
- 11. FOR FREEWAY CONSTRUCTION THE CONTRACTOR SHALL ARRANGE HIS WORK SO THAT THERE IS AN EXIT GORE SIGN AND AN EXIT DIRECTION SIGN IN PLACE FOR ALL EXIT RAMPS AT ALL TIMES.
- 12. ALL CROSSROADS, SIDEROADS, RAMPS OR OTHER ENTRANCES TO MAINLINE CONSTRUCTION SHALL REQUIRE W20-1 SIGNS LOCATED AS SHOWN IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- 13. MARKINGS AND/OR SIGNS IN CONFLICT WITH INTERIM TRAFFIC CONTROL SHALL BE REMOVED, RELOCATED OR COVERED; APPLICABLE EXISTING AND INTERIM MARKINGS AND/OR SIGNING SHALL BE MAINTAINED PER SECTION
- 150. 14. ANY CHANNELIZING DEVICES (DRUMS OR BARRICADES) IN CONFLICT WITH CONCRETE BARRIERS SHALL BE
- OMITTED.
- 15. CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL DURING THE TIE-IN OPERATION.
- THE TRAFFIC CONTROL DEVICES SHOWN FOR ANY STAGE CONSTRUCTION SHALL REMAIN IN PLACE AND BE UTILIZED SO LONG AS NECESSARY FOR THE FOLLOWING STAGES AND SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER REQUIRED. THE DEVICES MAY OR MAY NOT BE SHOWN ON THE PLANS FOR THESE FOLLOWING STAGES. REFER TO THE PLAN SHEET FOR THE INITIAL STAGE FOR THESE TRAFFIC CONTROLS.
- 17. EXISTING GUIDE SIGNS SHALL REMAIN IN PLACE SO LONG AS THEY DO NOT CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT, WHEN IN CONFLICT, THEY SHALL BE RELOCATED ON TEMPORARY POSTS AT THE LOCATION AS DIRECTED BY THE ENGINEER. ANY DISTANCE SHOWN ON THE SIGN SHALL BE ADJUSTED ACCORDINGLY. IF THE SIGNS CANNOT BE RELOCATED, THEN THE SIGN SHALL BE REMOVED AND STORED AT A PLACE DESIGNATED BY THE ENGINEER, IF NEITHER OF THE ABOVE CAN BE DONE, THEN THE CONTRACTOR SHALL PROVIDE INTERIM GUIDE SIGNS AS COVERED IN SECTION 150.
- 18. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINII, AT INTERVALS NOT TO EXCEED 1 MILE AND IMMEDIATELY PAST EACH CROSSROAD.
  - (b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK UP, TRANSPORT, AND ERECT. THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.



3-30-06	4-24-01	DATE	DEPARTMENT OF TRANSPORT	TATION
REVISED GENERAL NOTES AND LEGEND, DELETED TWO	DETAILS. SPEC. BAR. SH. SPEC.	REVISION	STANDARD  TRAFFIC CONTROL  GENERAL NOTES, STANDARD LEG  MISCELLANEOUS DETAILS  NO SCALE	END <b>,</b> AUG., 1999
079		ВҮ	DES (SUBMITTED)	NUMBER 9100

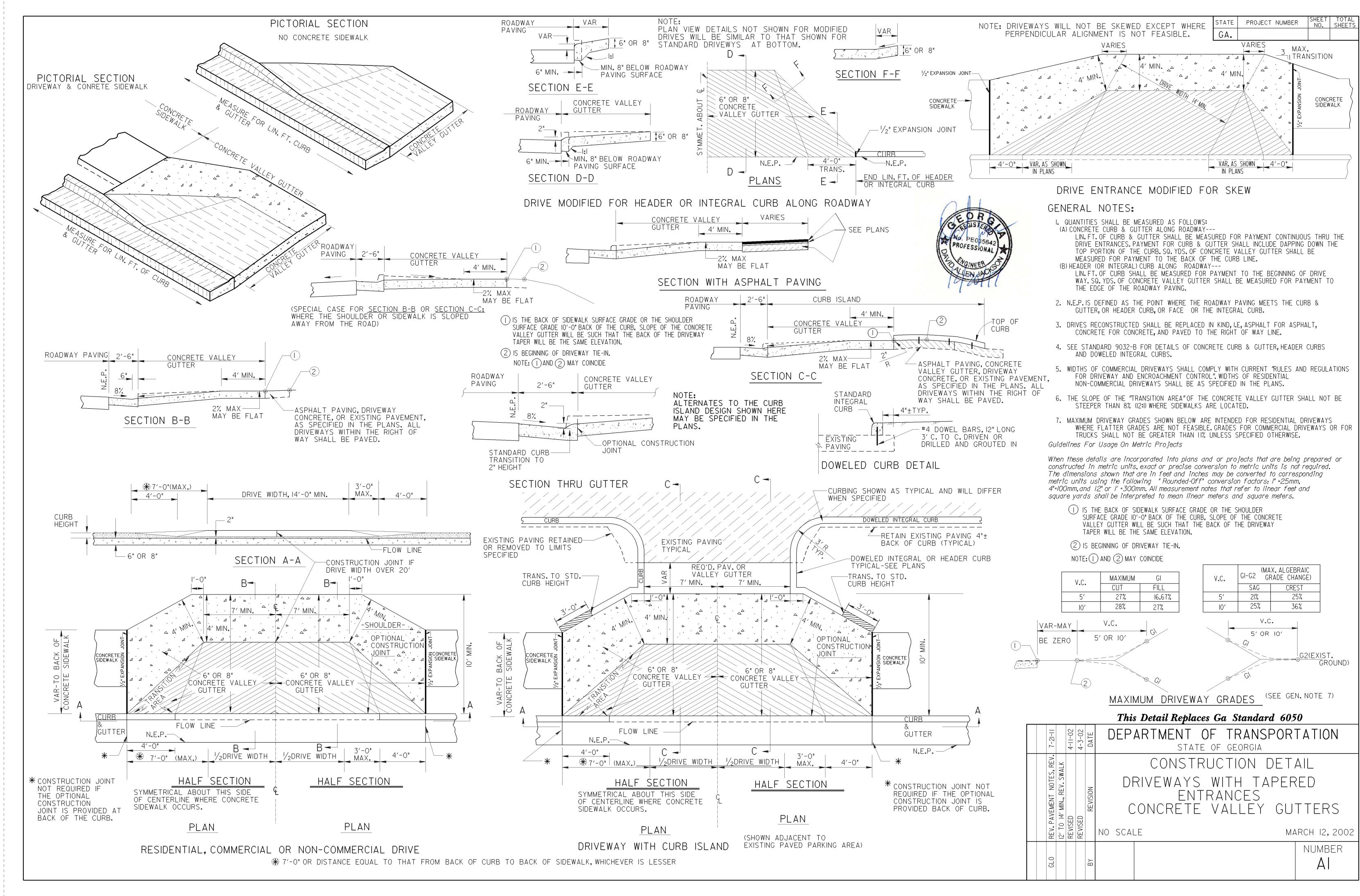
CHIEF ENGINEER

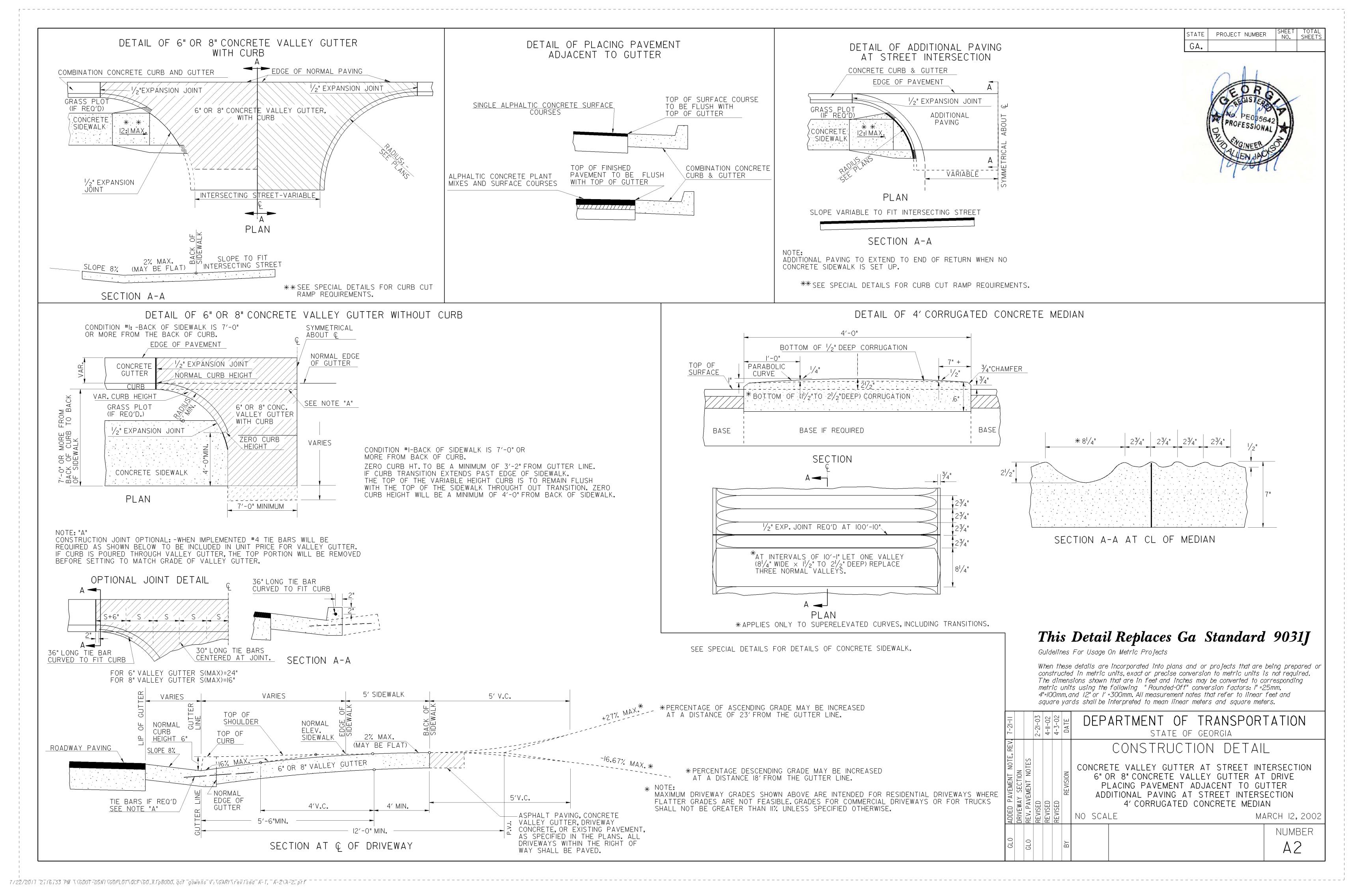
5" SERIES "C" TEMPORARY POST MOUNTED SIGN - (7' MOUNT HEIGHT) TRAFFIC CONTROL DETAIL FOR LANE CLOSURE PORTABLE MOUNTED SIGN - MINIMUM HEIGHT OF IFT. ABOVE THE EDGE OF PAVEMENT; INSTALLED AS PER NCHRP 350 TESTING REQUIREMENTS. ON TWO-LANE HIGHWAY 5" SERIES "C" WORK AREA NO SCALE TRAFFIC CONE - 28" MIN. - DAYTIME USE ONLY ¾" MARGIN (SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER -5/8" BORDER 36" I-I/2 "RADIUS FLAGGER WITH STOP-SLOW PADDLE DRW. (APPROVED) Oil & thill 1 □ TRA.

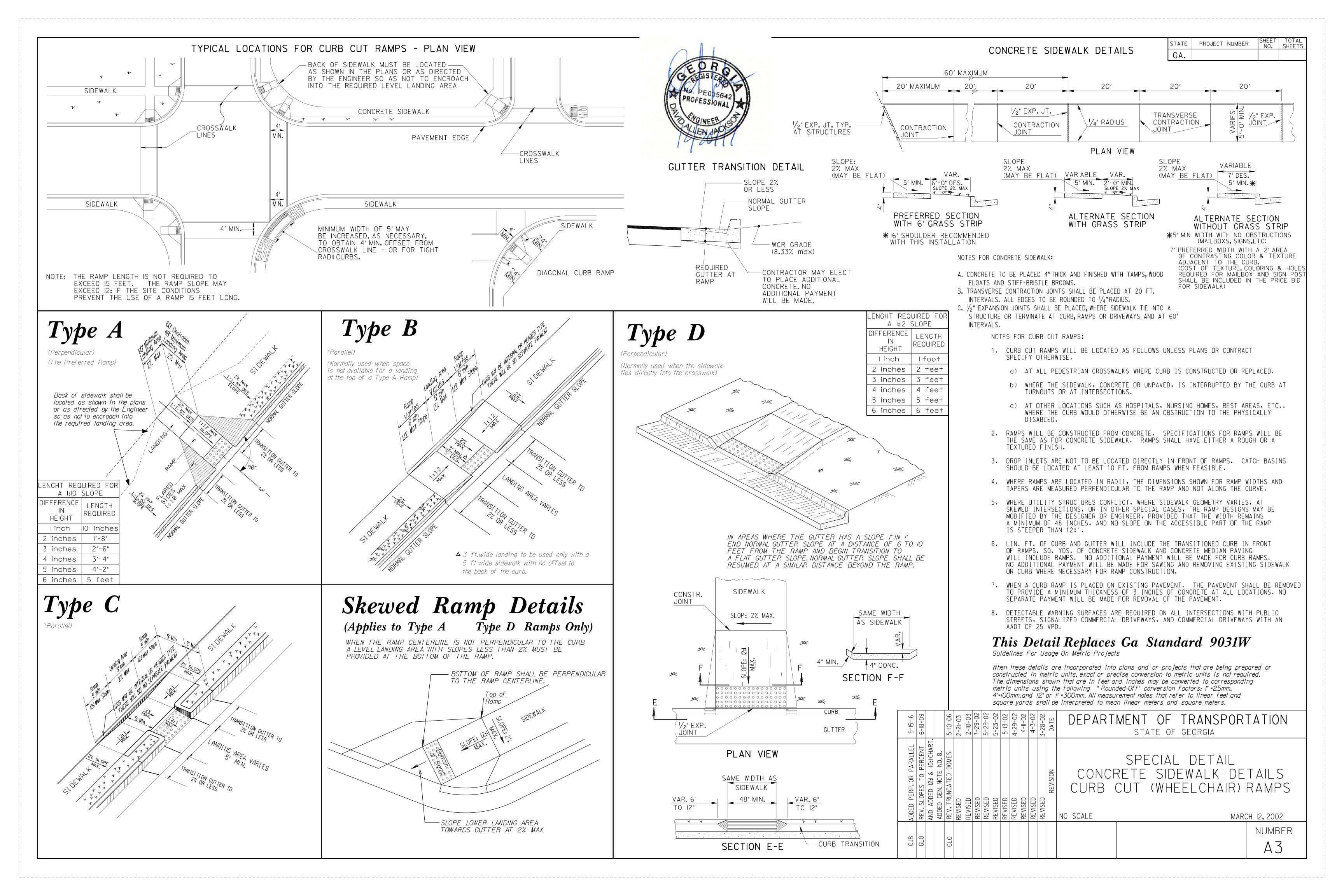
REV. & REDR. JULY, 1999

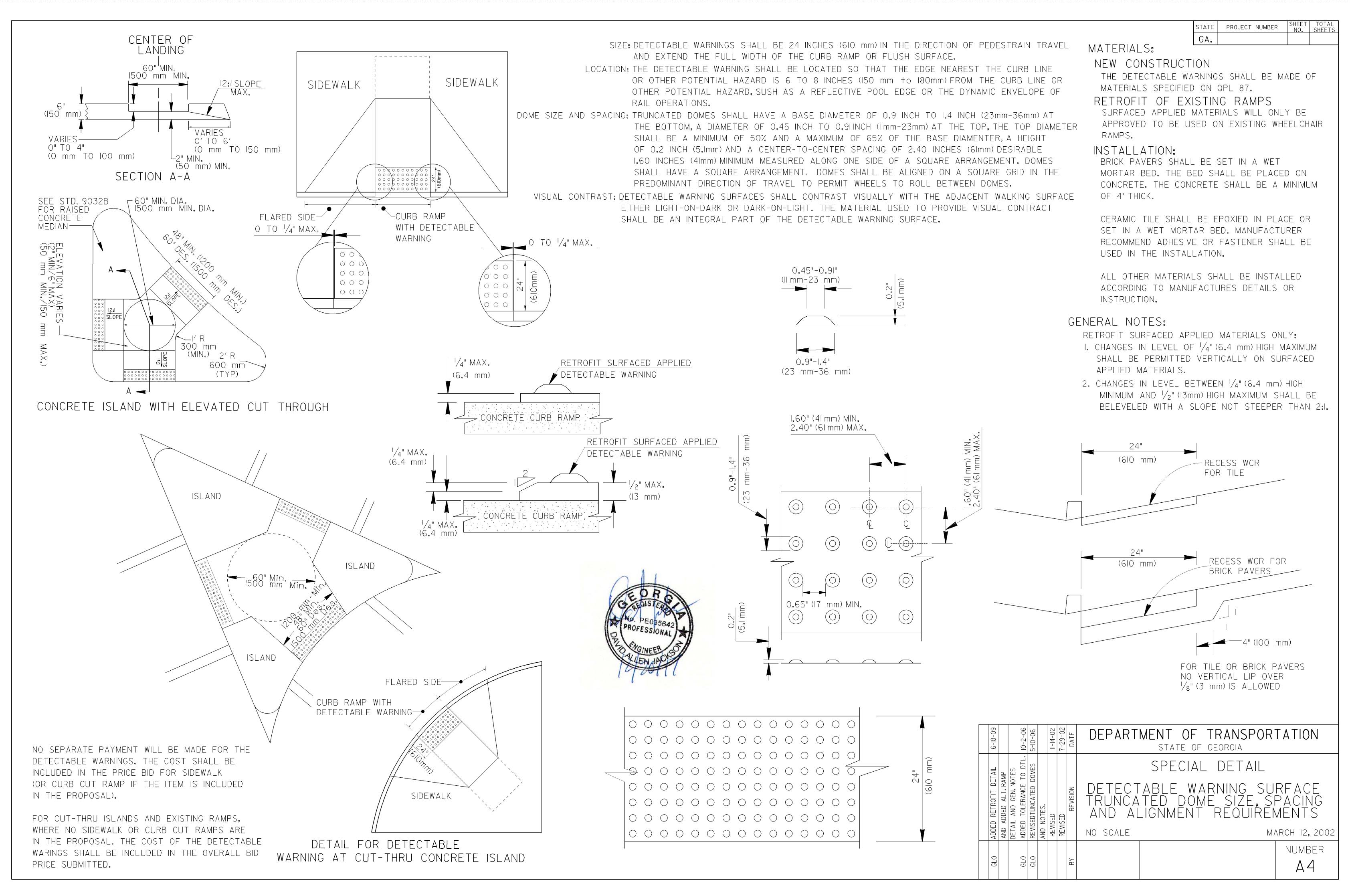
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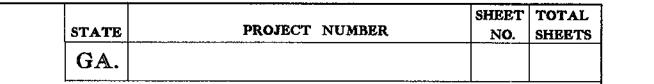
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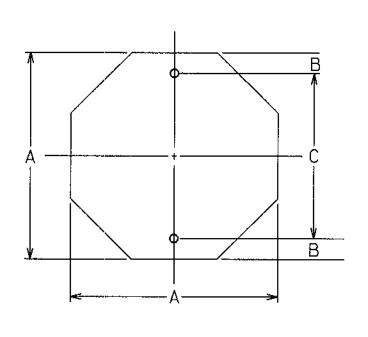


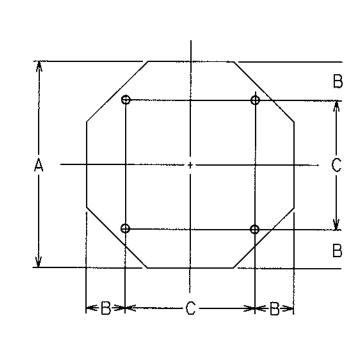


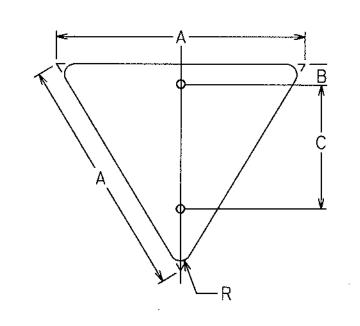


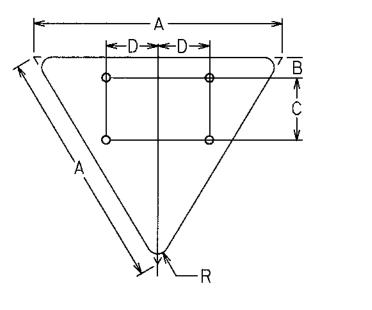


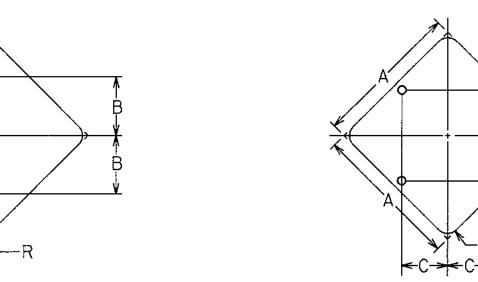








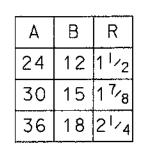




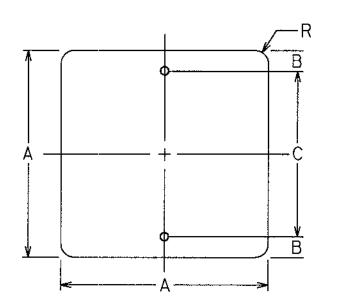
DIAMOND

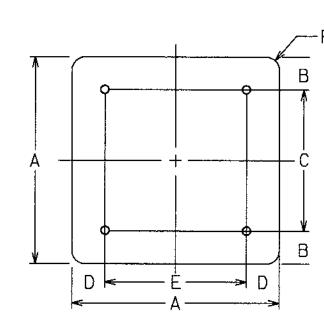
EQUILATERAL	TRIANGL
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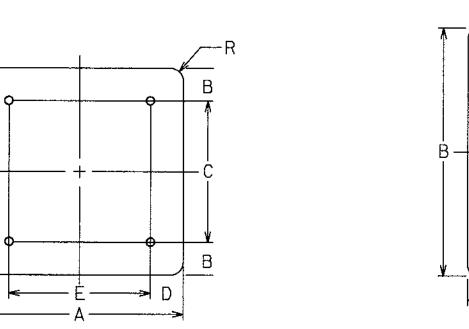
60 7 40 45
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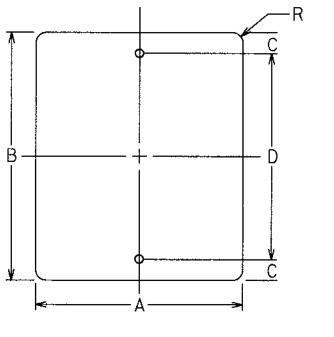


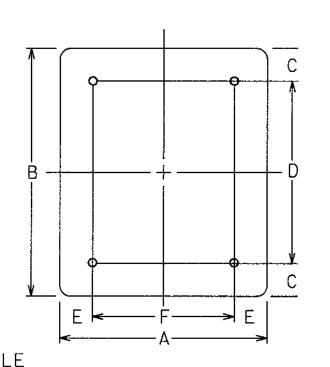
\* FOR TWO POST ERECTION

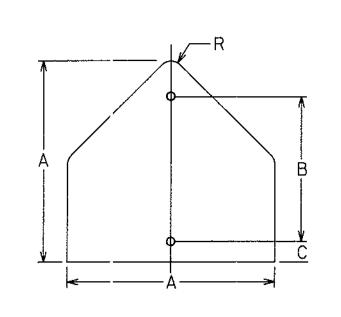


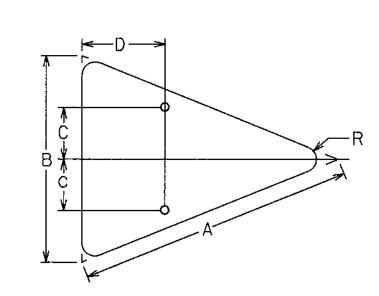












SQUARE	

OCTAGON

į	Α	В	С	D	E	
	36	9	24	6	24	2
	48	6	36	6	36	

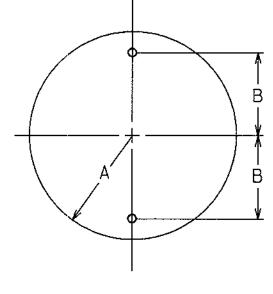
VERTICAL RECTANGLE

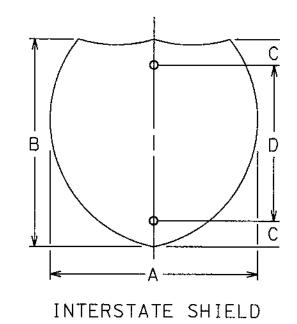
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18	24	3	18	11/2	
24	30	3	24	11/2	
30	36	3	30	17/8	

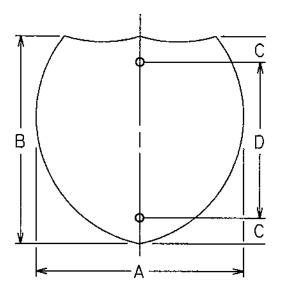
Α	В	С	D	E	F	R
36	48	6	36	6	24	21/4
48	60	6	48	9	30	3

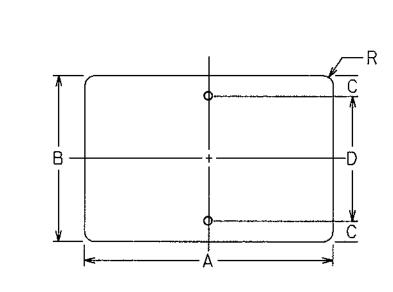
PENTAGON

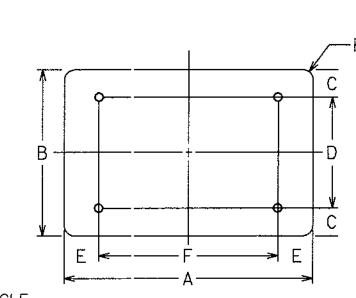
ISOSCELES TRIANGLE











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CIRCLE

			. —	
AB	А	В	Ç	D
15 12	24	24	3	18
18 15	30	24	3	18
	36	36	W	24
	45	36	6	24

Α	В	C	D	R
21	15	11/2	12	11/2
24	12	11/2	9	11/2
24	18	3	12	11/2
30	15	11/2	12	11/2
30	24	3	18	11/2
36	12	11/2	9	11/2
36	24	3	18	11/2

GLL							
	Α	В	С	D	E	F	R
	48	36	6	24	9	30	21/4
	60	24	3	18	12	36	11/2
	60	36	6	24	12	36	21/4
					_	_	

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION
		OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF SIGN PLATES

NO SCALE

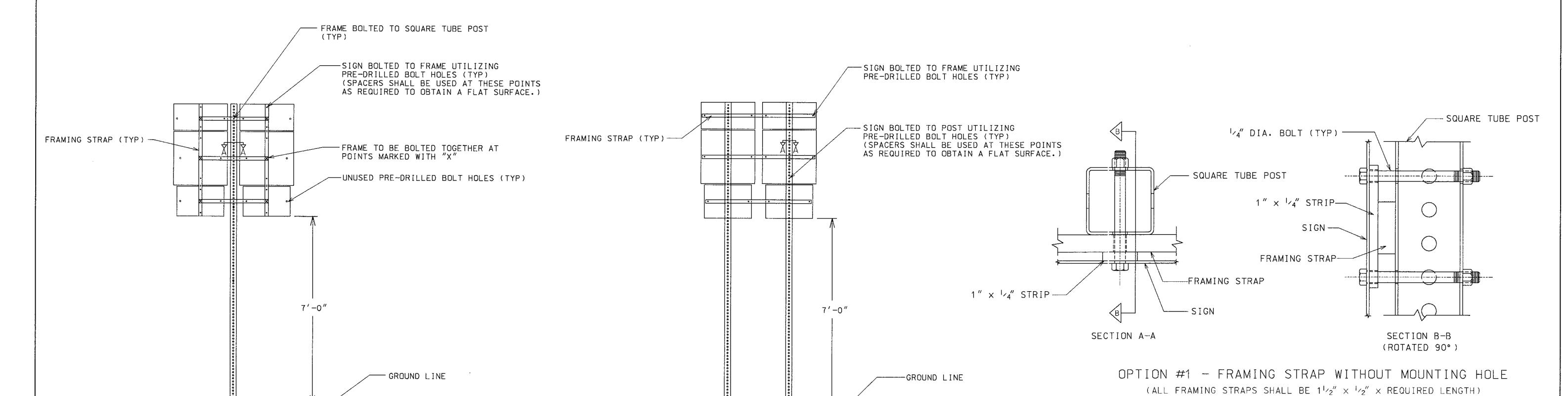
HORIZONTAL RECTANGLE

Α	В	С	D	LLI .	
48	36	6	24	9	P)
6	24	3	18	12	[4]
60	36	6	24	12	M

JANUARY 2000

STATE PROJECT NUMBER SHEET TOTAL NO. SHEETS

GA.



DUAL POST ERECTION

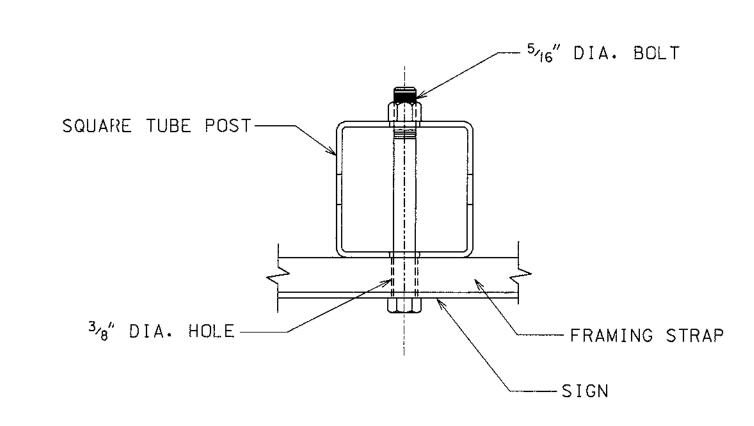
TYPICAL ASSEMBLY UNIT (BACK VIEW)

### GENERAL NOTES:

SINGLE POST ERECTION

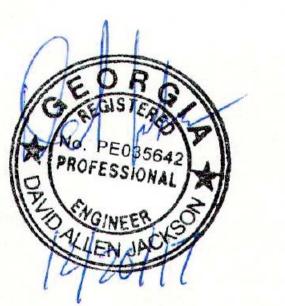
PCBDTB

- 1. STYLE OF FRAMING IS OPTIONAL. ALTERNATE DESIGNS ARE ACCEPTABLE UPON APPROVAL OF THE ENGINEER. FRAME SHALL BE DESIGNED SO AS TO HOLD THE ASSEMBLY IN A FIXED, RIGID POSITION.
- 2. FRAMING STRAPS SHALL BE GALVANIZED STEEL OR ALUMINUM.
- 3. STEEL SHALL BE A.S.T.M. DESIGNATION A-283, GRADE D, GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-123.
- 4. ALUMINUM SHALL BE ALLOY 6061-T6.
- 5. BOLTS, NUTS, WASHERS, AND SPACERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
- 6. FRAMING STRAPS ON A DUAL POST ERECTION SHALL NOT BE BOLTED TO THE POST.



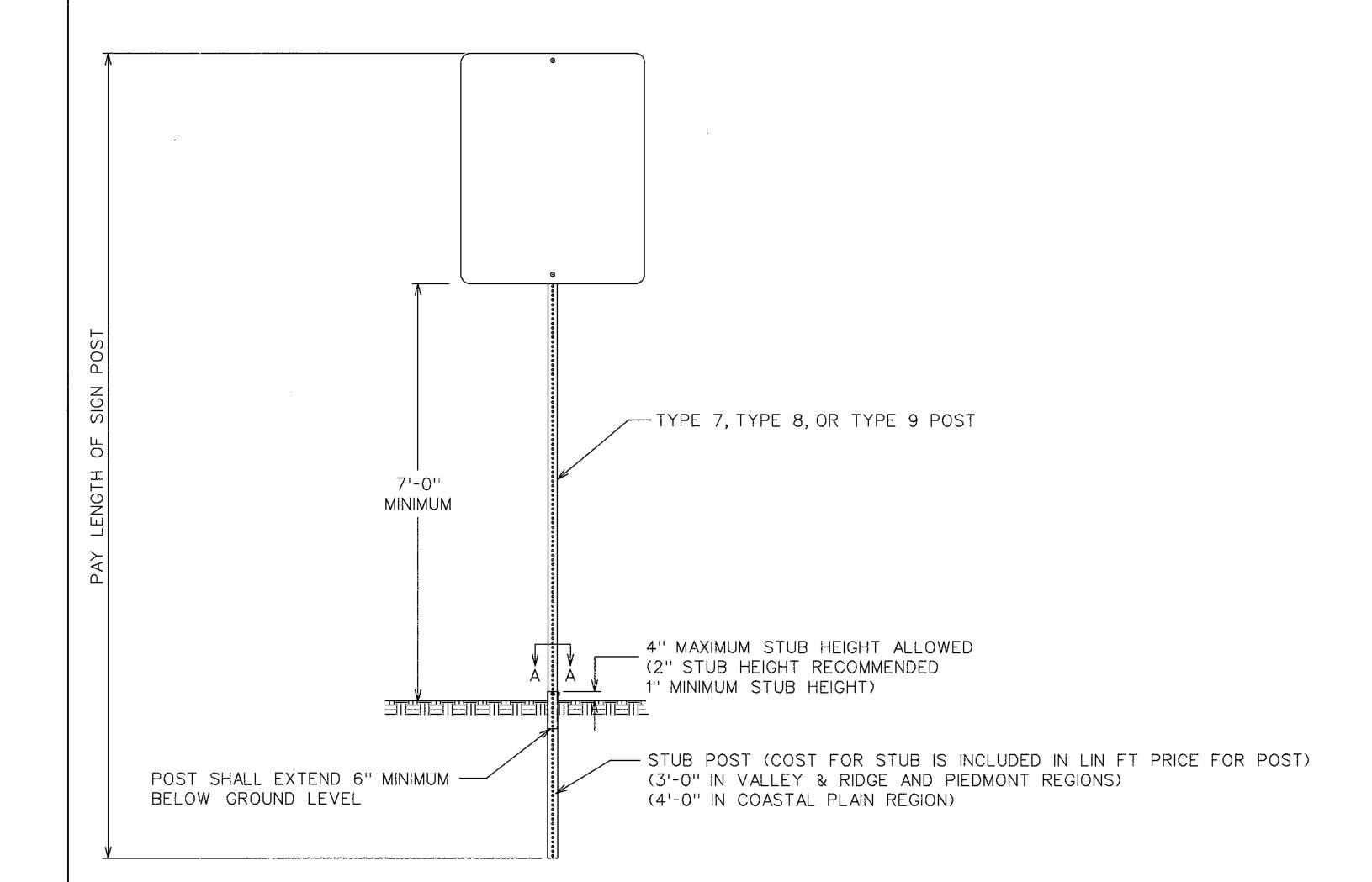
OPTION #2 - FRAMING STRAP WITH MOUNTING HOLE

(ALL FRAMING STRAPS SHALL BE 2" x 1/2" x REQUIRED LENGTH)



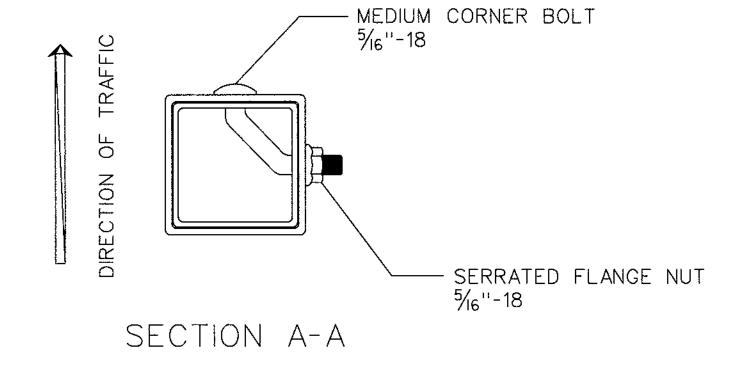
DATE 3/31/00	REVISIONS CHANGED U-CHANNEL POST TO SQUARE TUBE POST	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC OPERATIONS						
			ILS FOR _ FRAMING					
		NO SCALE	JANUARY 2000					

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	$2^{1/4''} \times 2^{1/4''}$
TYPE 8	$2\frac{3}{4}$ " × $2\frac{3}{4}$ "
TYPE 9	$2\frac{1}{2}$ " x $2\frac{1}{2}$ "



#### SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 157 Guet Factor

		GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED							
		TYPE 7 2" 14 ga.		TYPE <b>8</b> 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 w / TYPE 9 Insert* 2-1 /2" 12 ga. W /2-1 /4" 14 ga.		
Sign	1 Post	2Post	1 Post	1 Post	2Post	3Post	1 Post	2Post	3Pos
Centroid	· · · · · · · · · · · · · · · · · · ·	SQUARE	FOOTAGE			SQL	JARE FOOTA	\GE	
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
1 4'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30. <i>3</i> 0	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

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

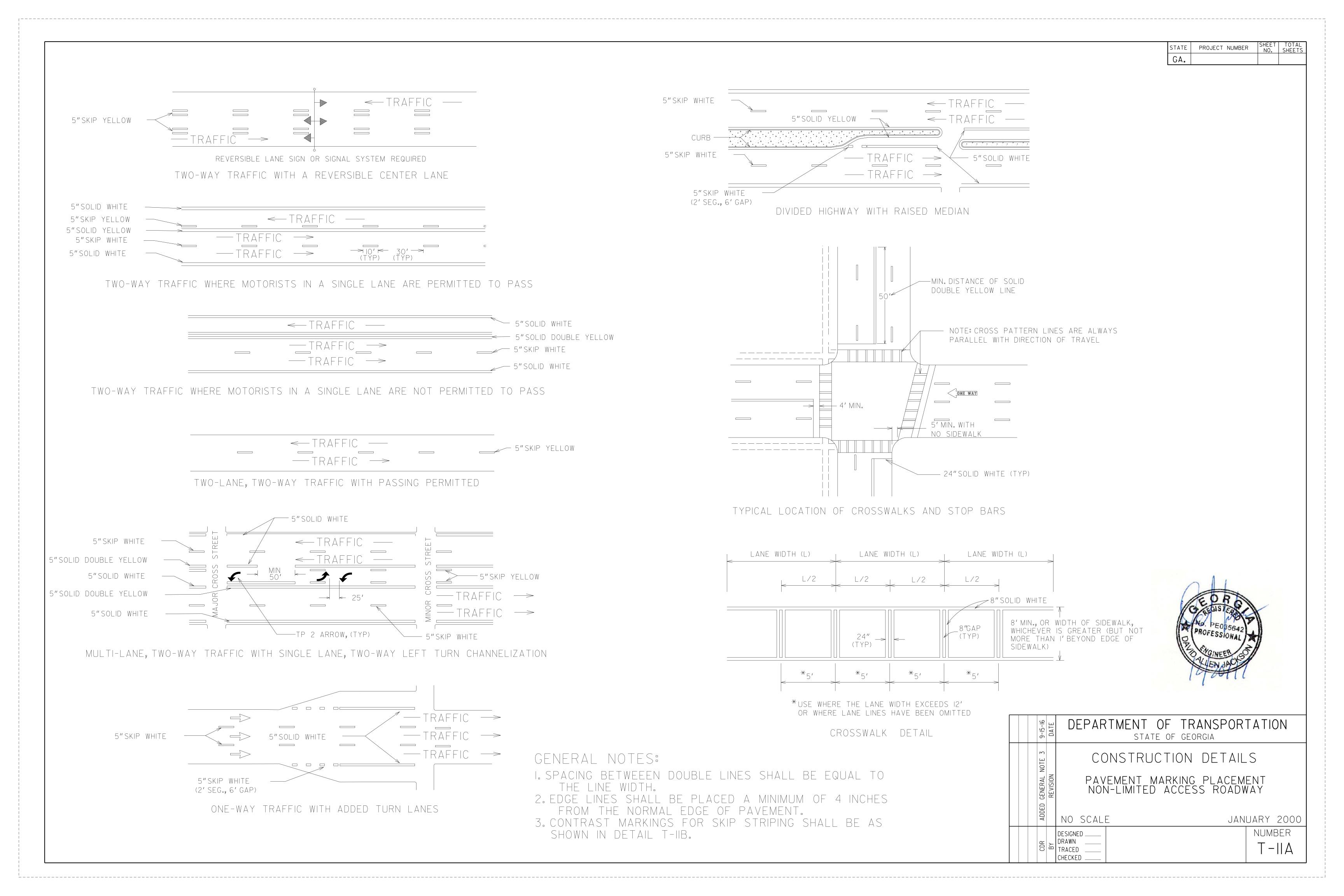
SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE. POST.

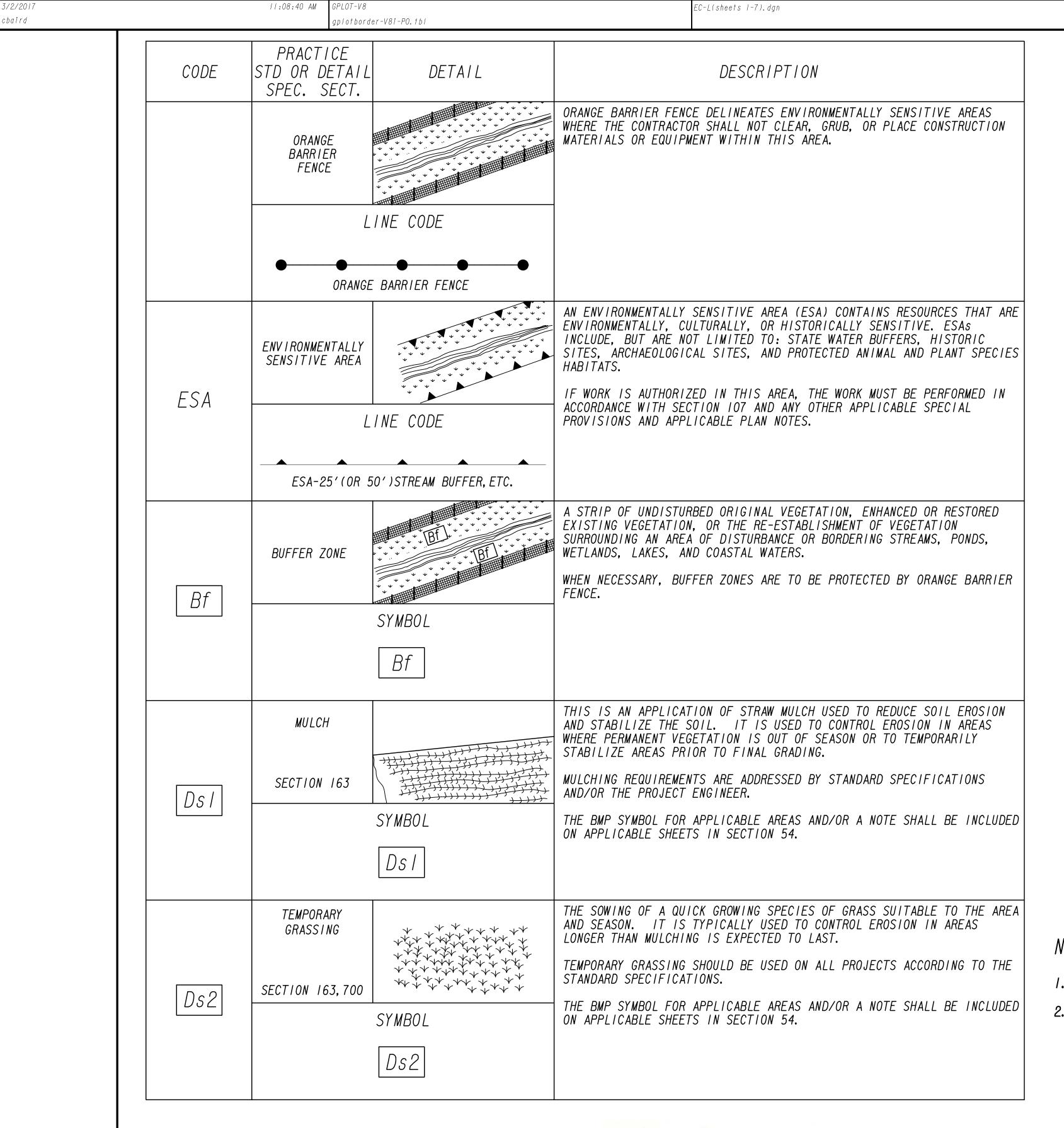
\* TYPE 9 INSERT SHALL BE A CONTINOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSIERT POST SHALL BE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

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



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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700	SYMBOL  D\$3	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.
Ds4	SODDING  CONSTRUCTION DETAIL D-54 SECTION 700, 890	PATTERN  DS4	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.  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	SYMBOL  FI-CO  LYACRY LAMIDE	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!  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	PATTERN Sb	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.

# *NOTE:*

- I. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 2. 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".





NO SCALE

REVISION DATES

OF THE TOTAL LEGEND

UNIFORM CODE SHEET

SHEET I OF 7

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BACKCHECKED: DATE:

CORRECTED: DATE: 52-001

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	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE
		SLOPE STABILIZATION		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.	
		CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP).	
	Ss	P/	ATTERN ×××××	SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:I OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS.	(Cd-S)
			$S_s$	NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.	
		TACKIFIERS (		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.	
	Tac	SECTION 163, 700, 895		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.	Ch-I
			YMBOL Tac ACRYLAMIDE	REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.	
		FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D	TOTT EAMT DE	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.	
	(Cd-F)	SECTION 171 SYMBOL	THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE.	(Ch-2RI)	
			Cd-F	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.	
		COMPOST FILTER SOCK CHECK DAM	Fi.on	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.	
	(Cd-Fs)	CONSTRUCTION DETAIL D-52 SECTION 163		REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS.	(Ch-2R3)
	Cu 73		YMB0L Cd-Fs	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.	CII ZNO
		BALED STRAW CHECK DAM  CONSTRUCTION DETAIL D-52	F. Con	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.	NOTE:
	(Cd-Hb)		Y MBO L	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.	1. DO NOT USE ER  2. FOR ADDITIONA REFER TO THE L CONTROL IN GEO

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DESCRIPTION
(Cd-S)	STONE CHECK DAM OR SANDBAG CHECK DAM GA. STD 1031 SECTION 163, 603  SYMBOL  (cd-s)	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.  A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE
(Ch-I)	VEGETATED CHANNEL STABILIZATION  SECTION 700	DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.  TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE	
(Ch-2RI)	CHANNEL STABILIZATION RIP-RAP, TYPE I  CONSTRUCTION DETAIL D-49 SECTION 603	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE I 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.
	LINE CODE	"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	CHANNEL STABILIZATION RIP-RAP, TYPE 3  CONSTRUCTION DETAIL D-49	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.
(Ch-2R3)	SECTION 603 1  LINE CODE	"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	00000000000000000000000000000000000000	

- I. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 2. 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".





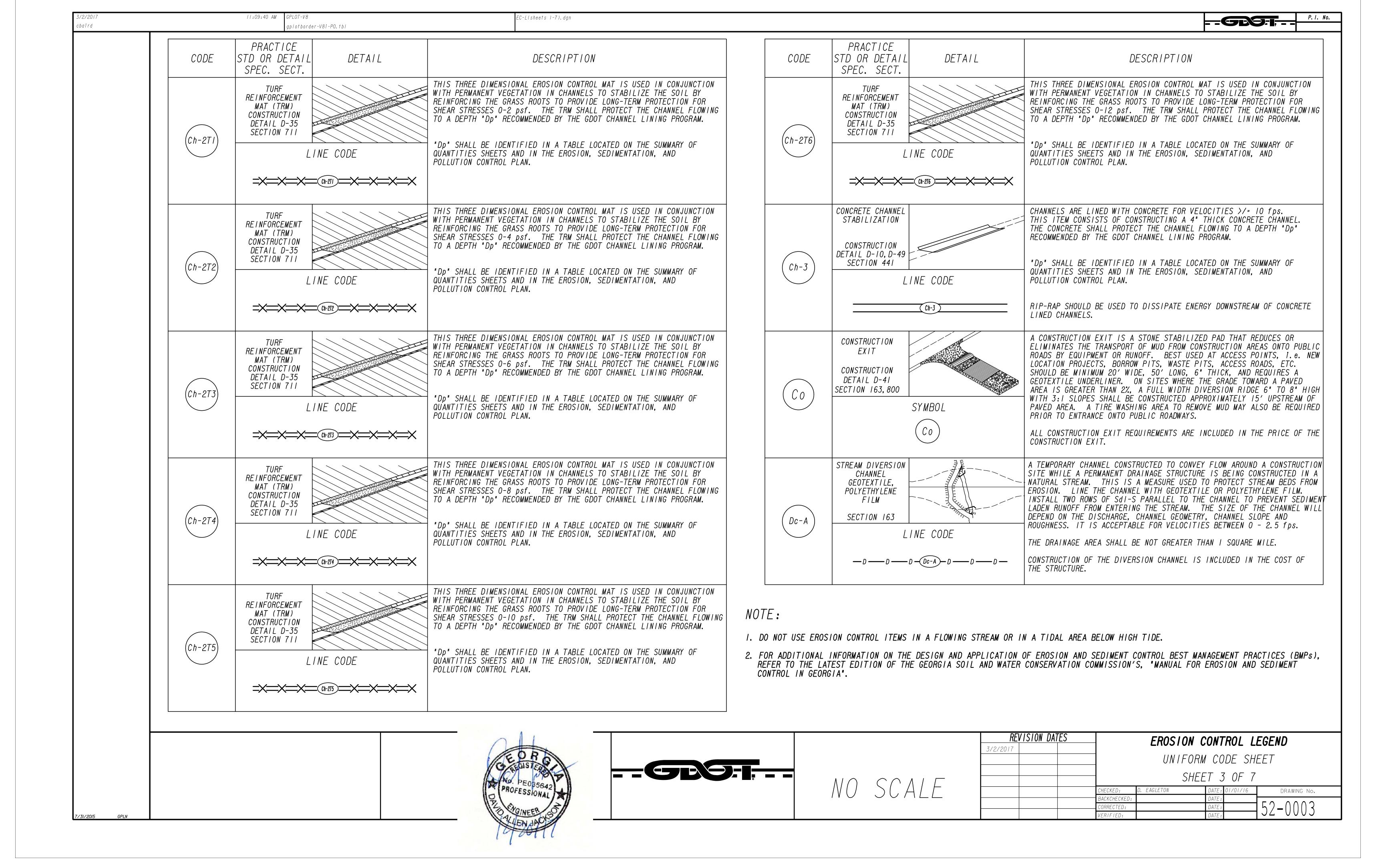
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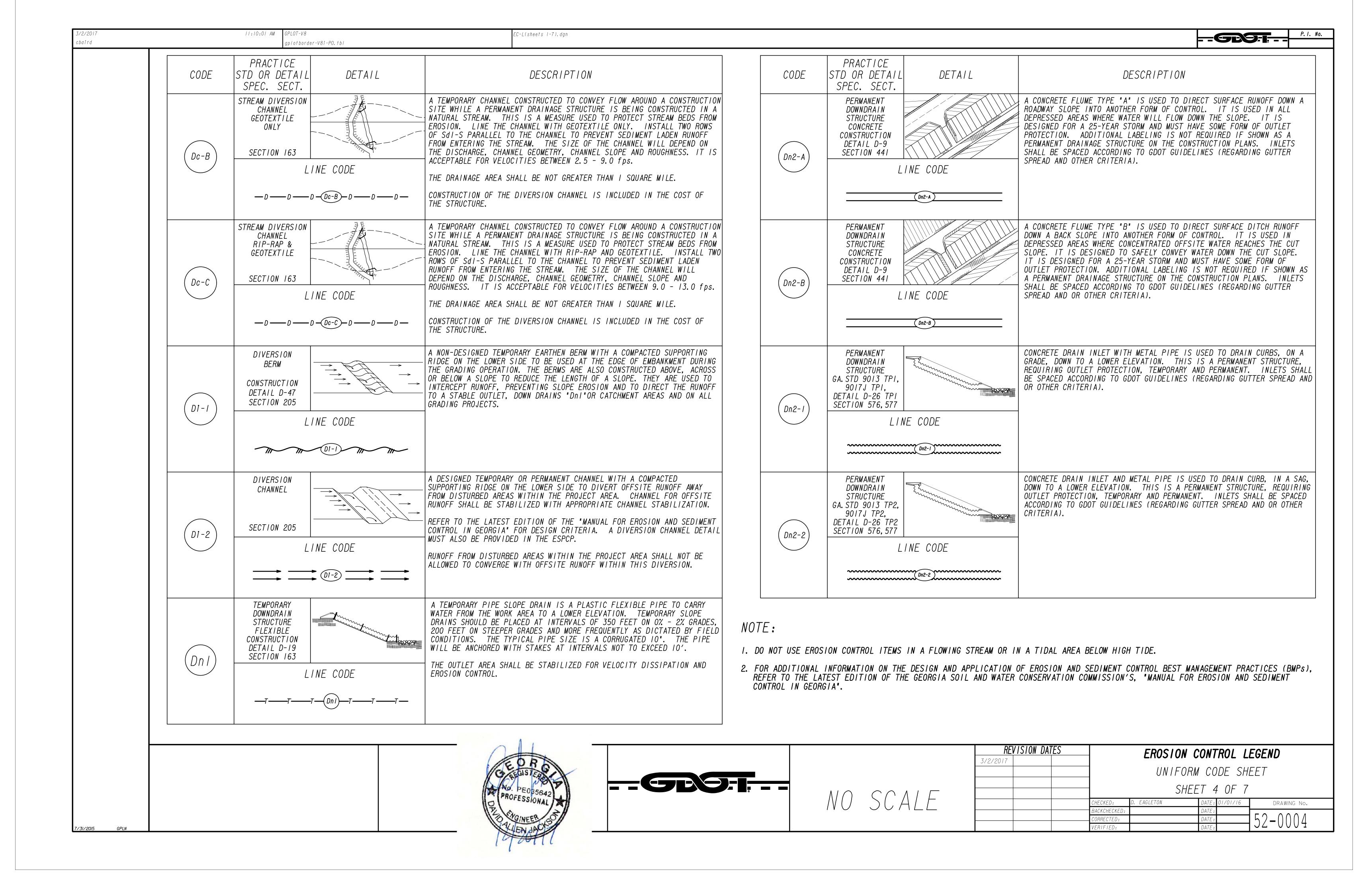
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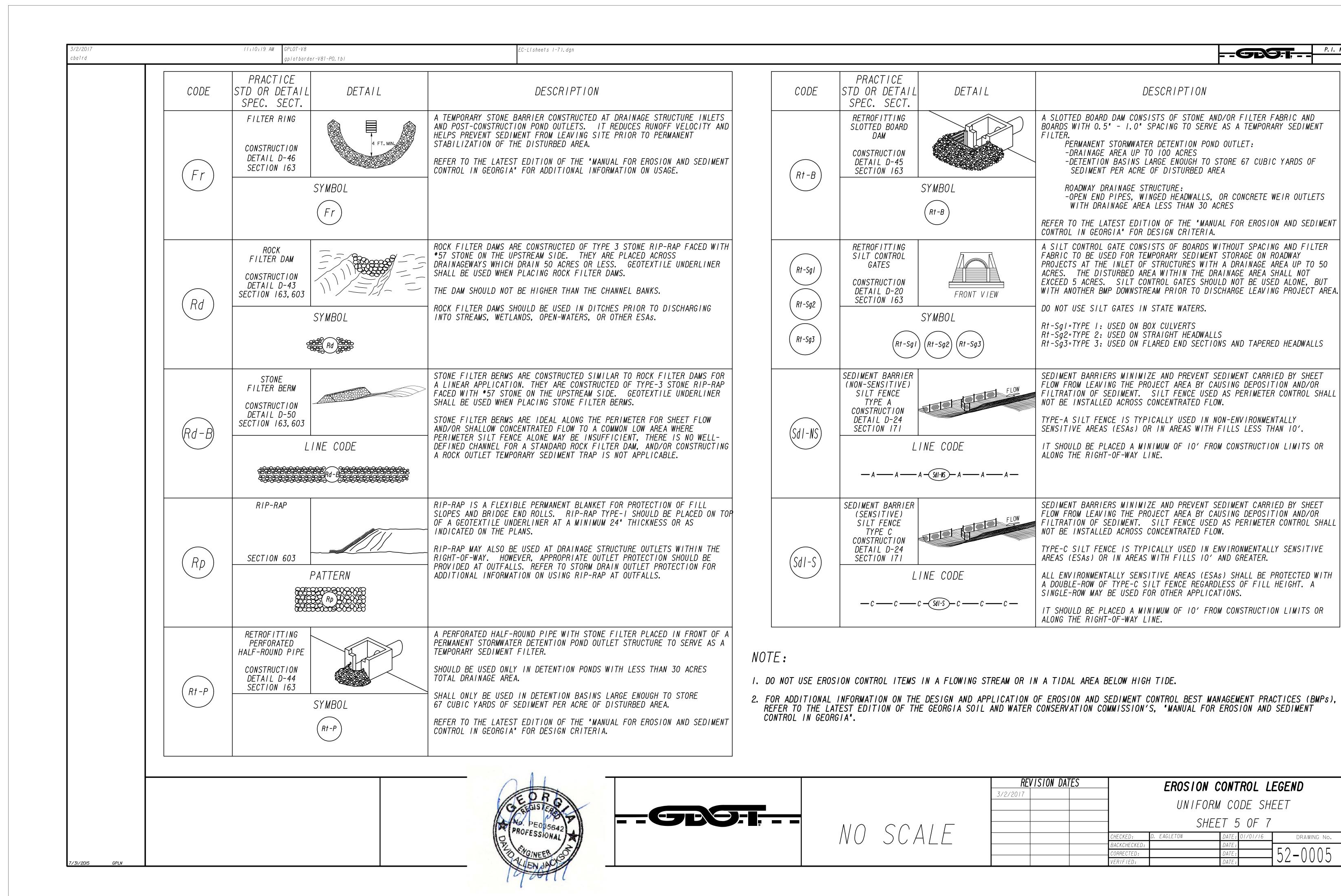
EROSION CONTROL LEGEND
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SHEET 2 OF 7

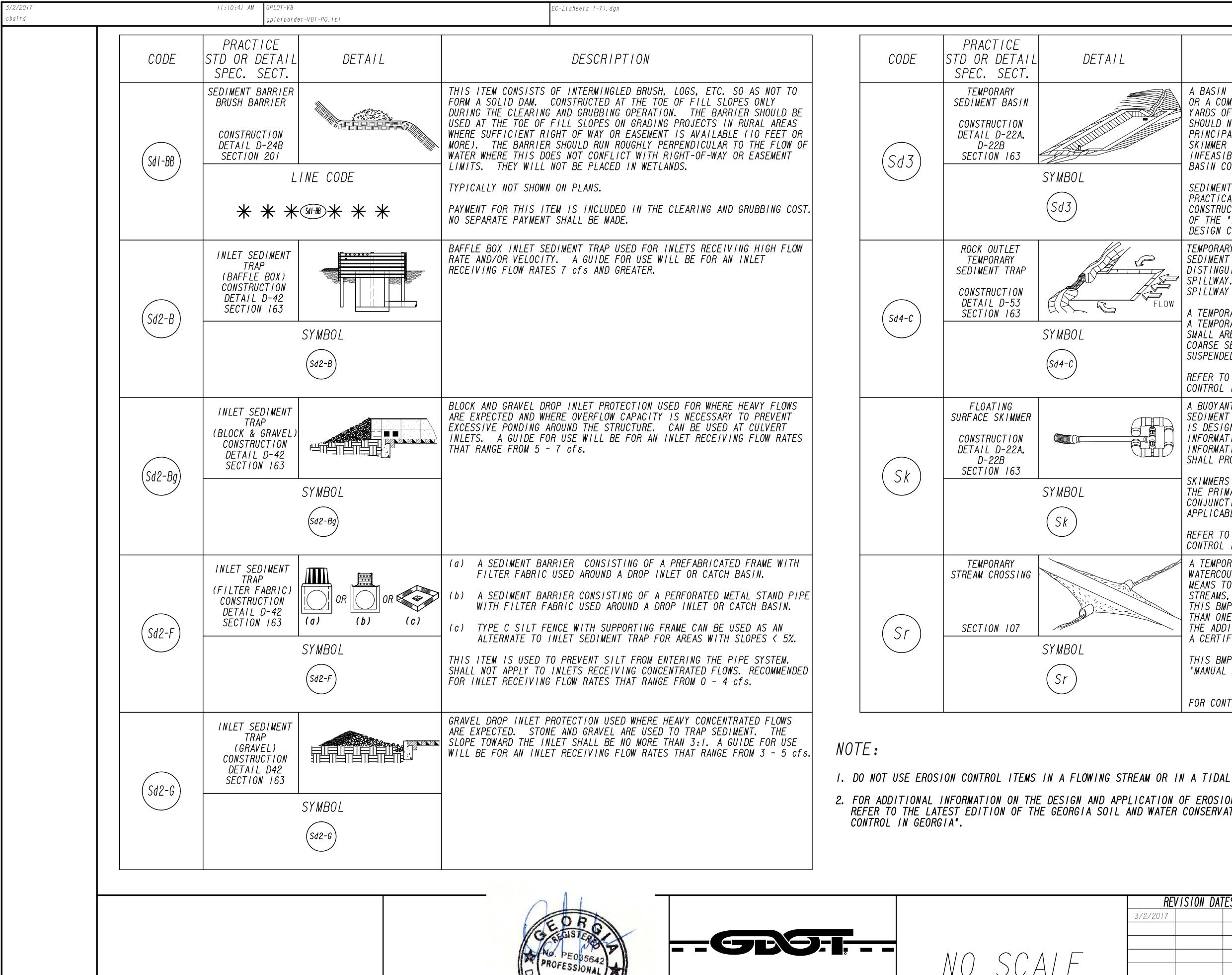
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DESCRIPTION A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC

- GEO: |-

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.

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.

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.

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.

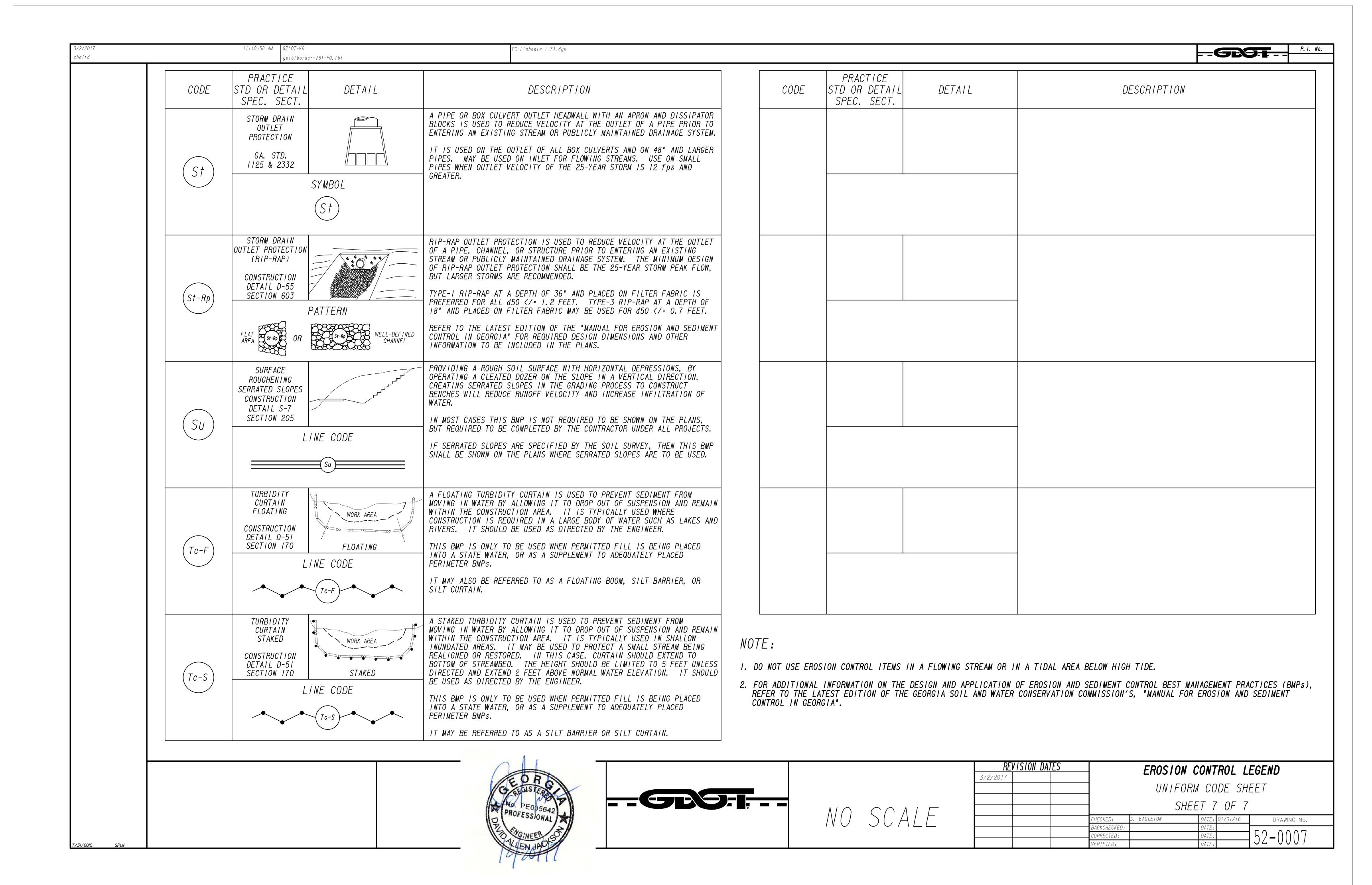
THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

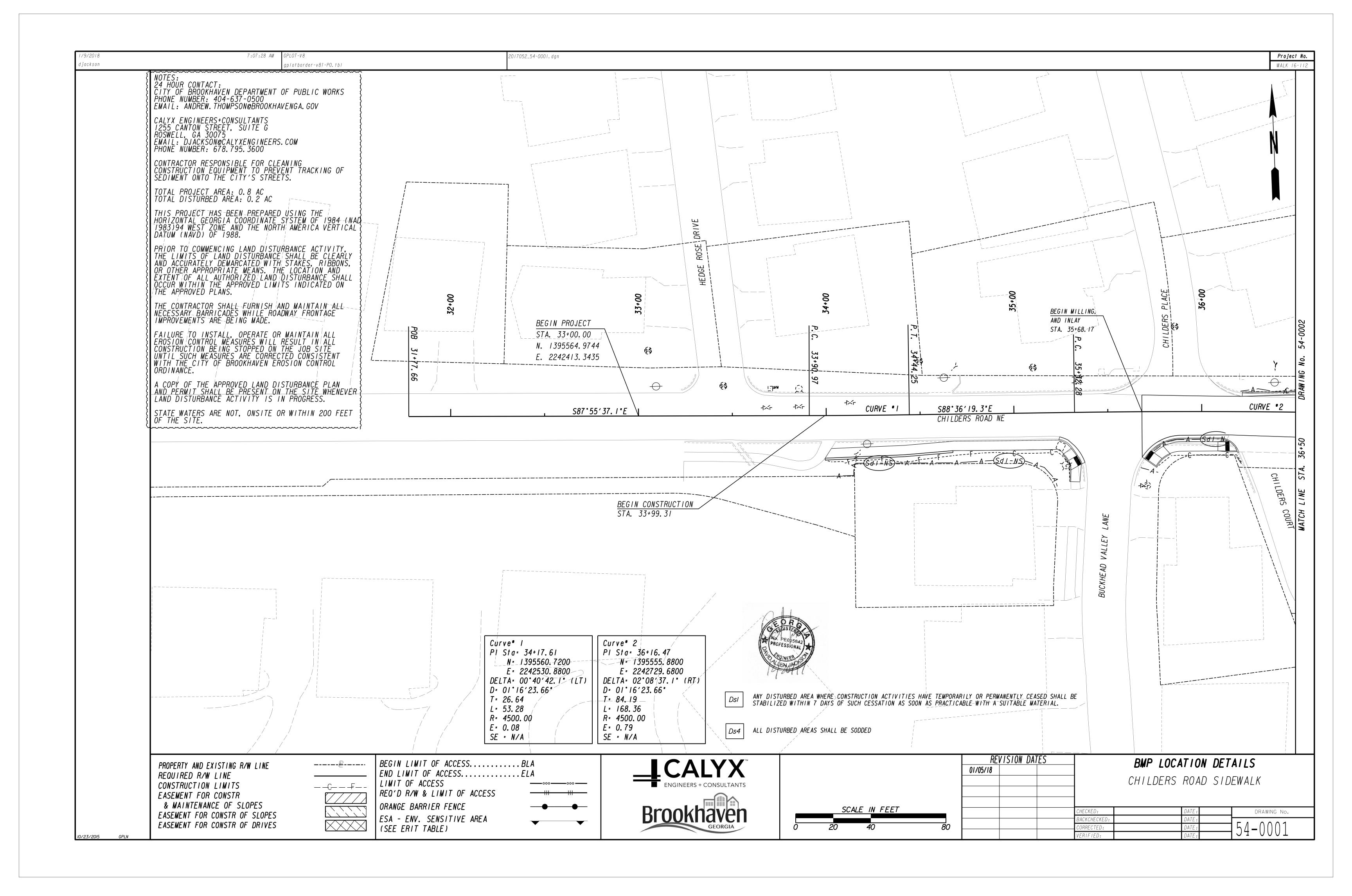
FOR CONTRACTOR'S USE ONLY!

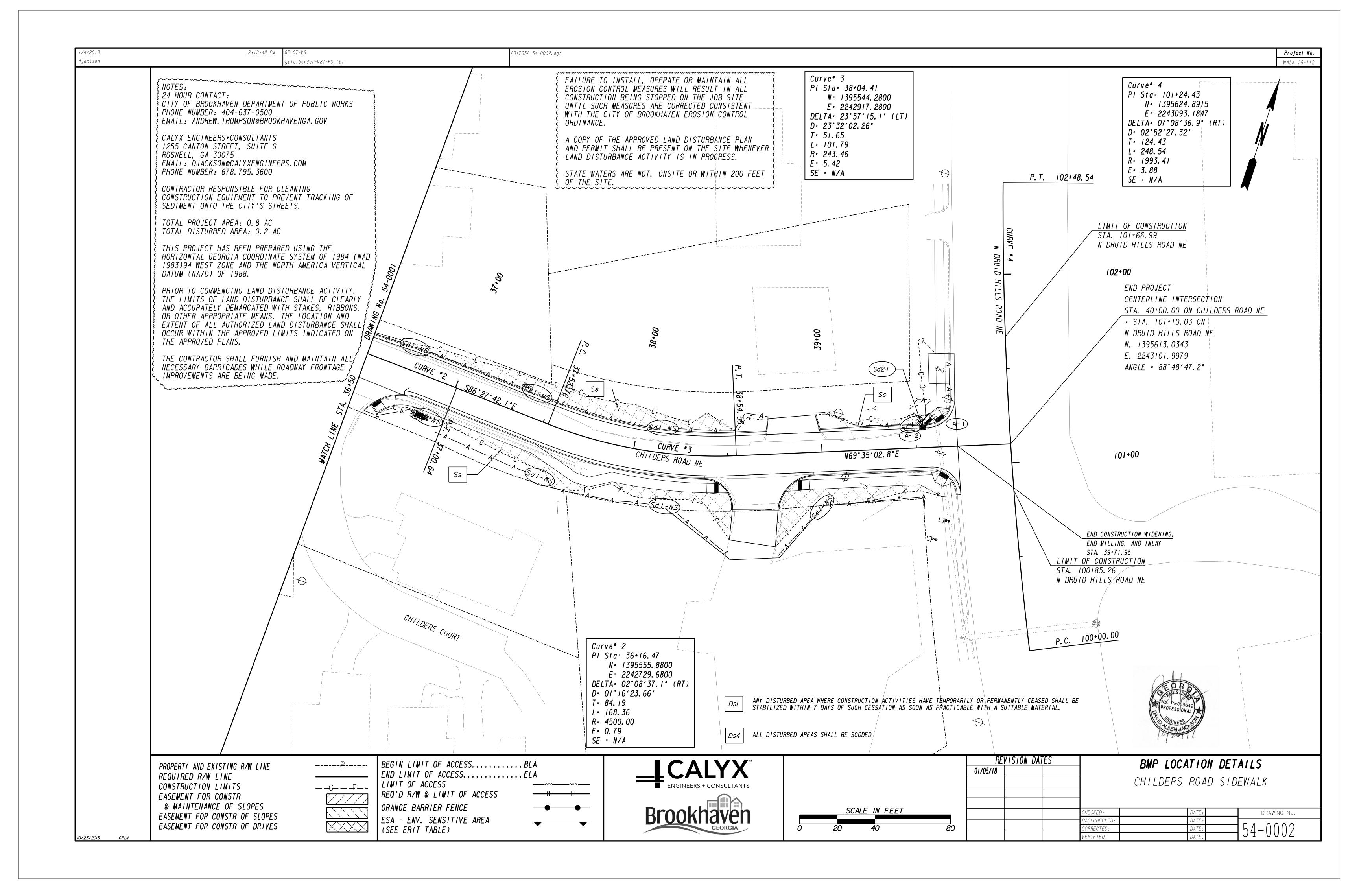
- I. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S.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

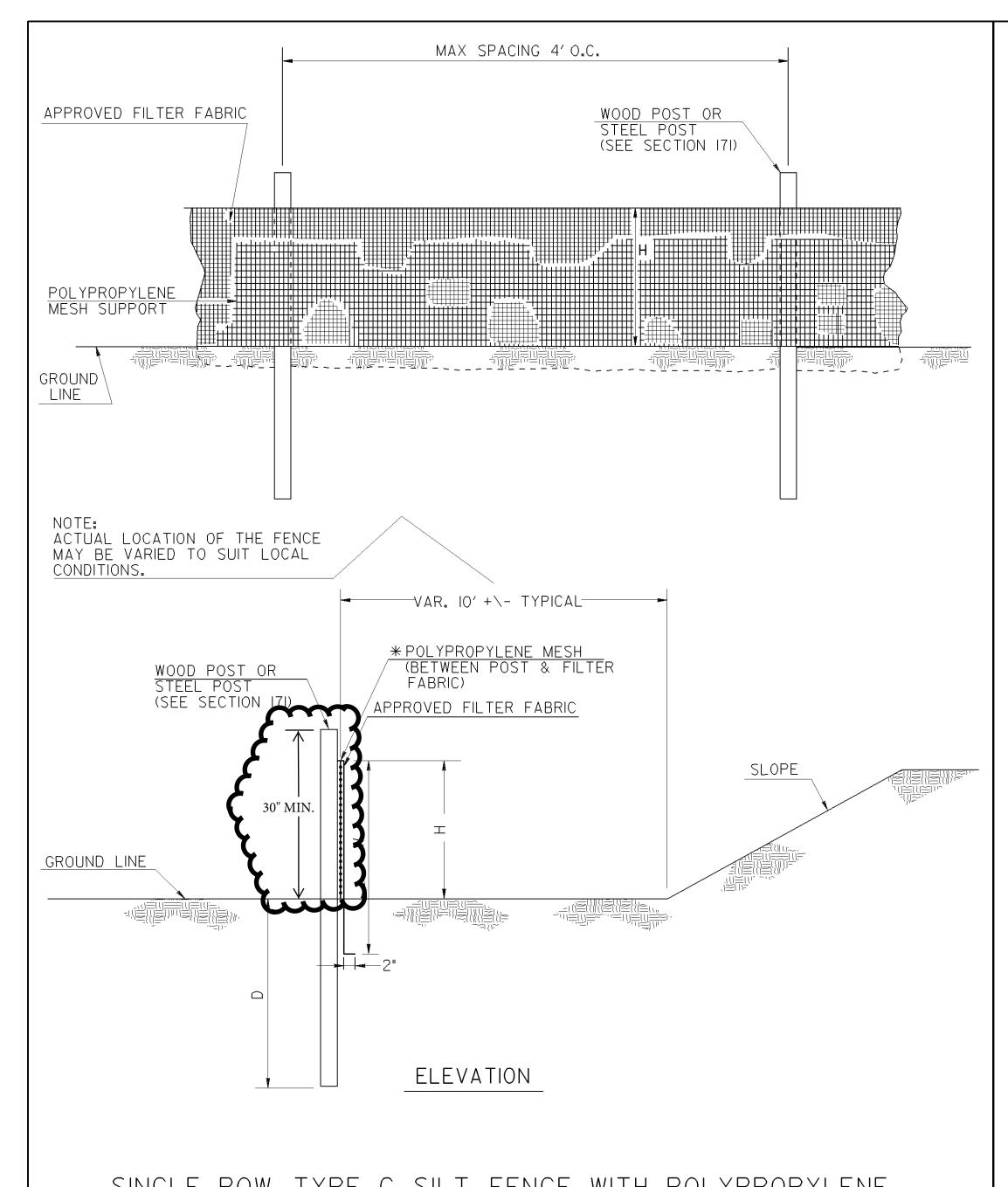


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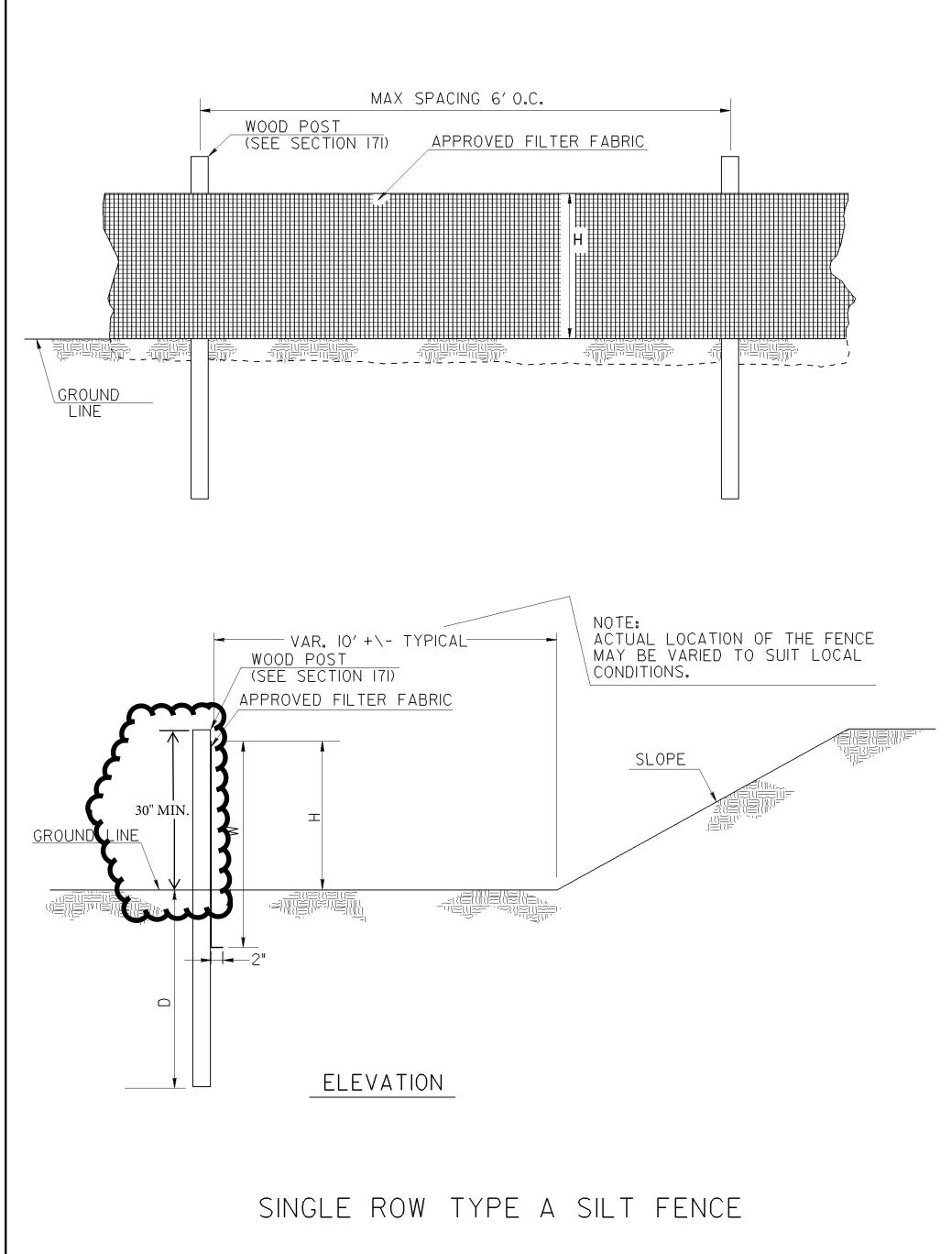


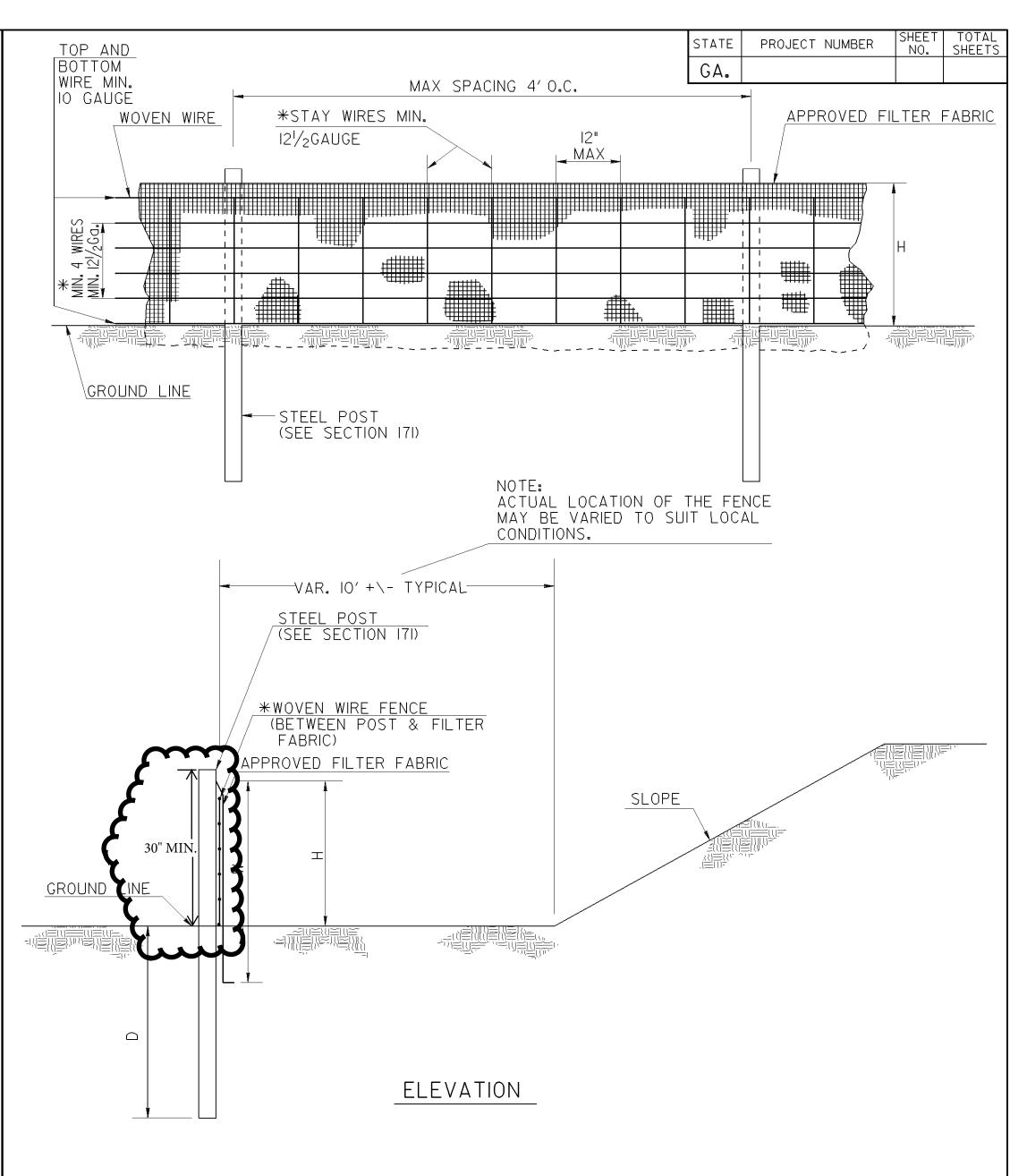




SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE

MESH SUPPORT





SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

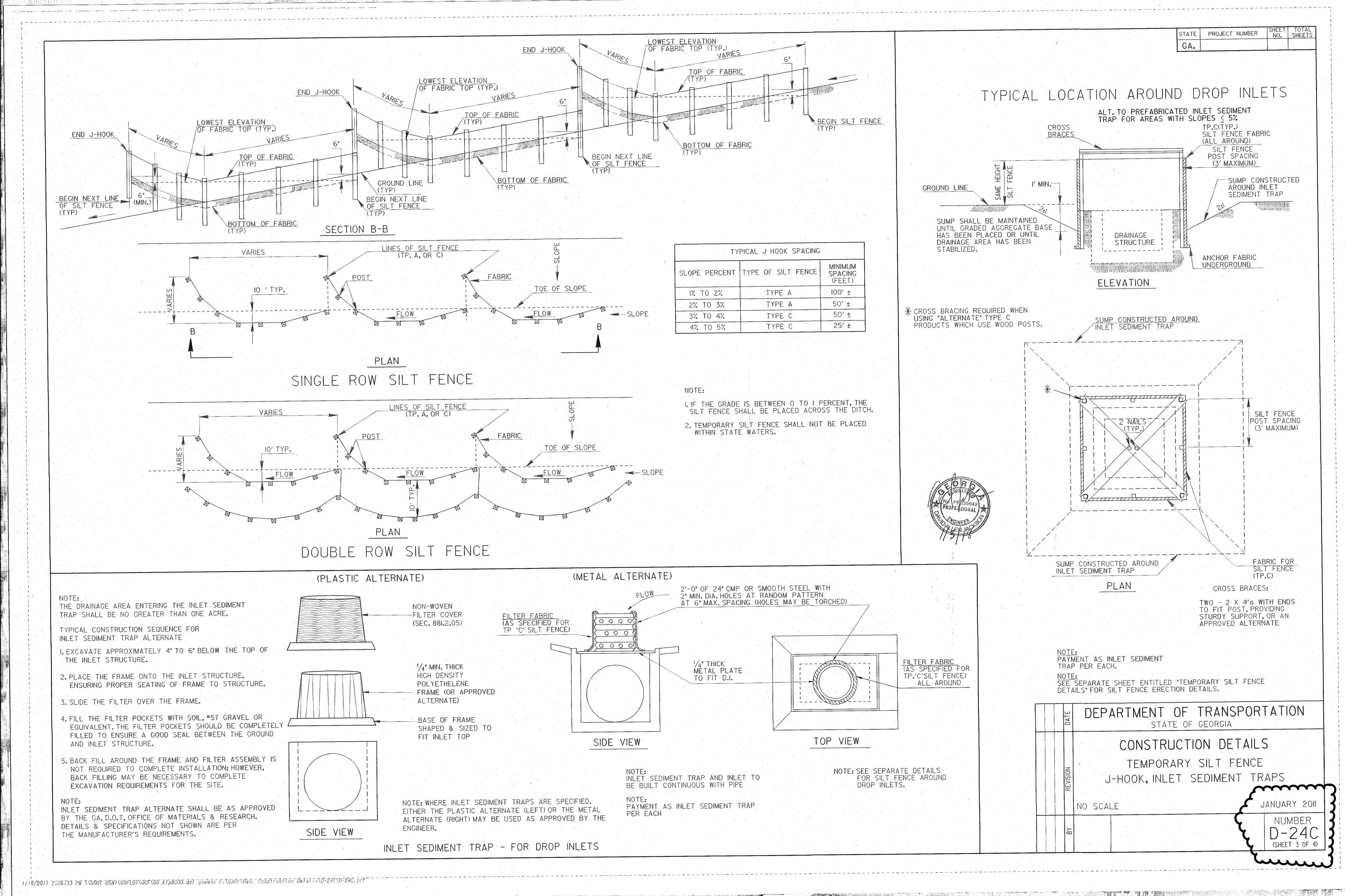
FENCE TYPE	POST LENGTH	Н	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	l'-6"	3′-0"	
TYPE "C"	4 FT.	2'-4"	1′-6"	3′-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

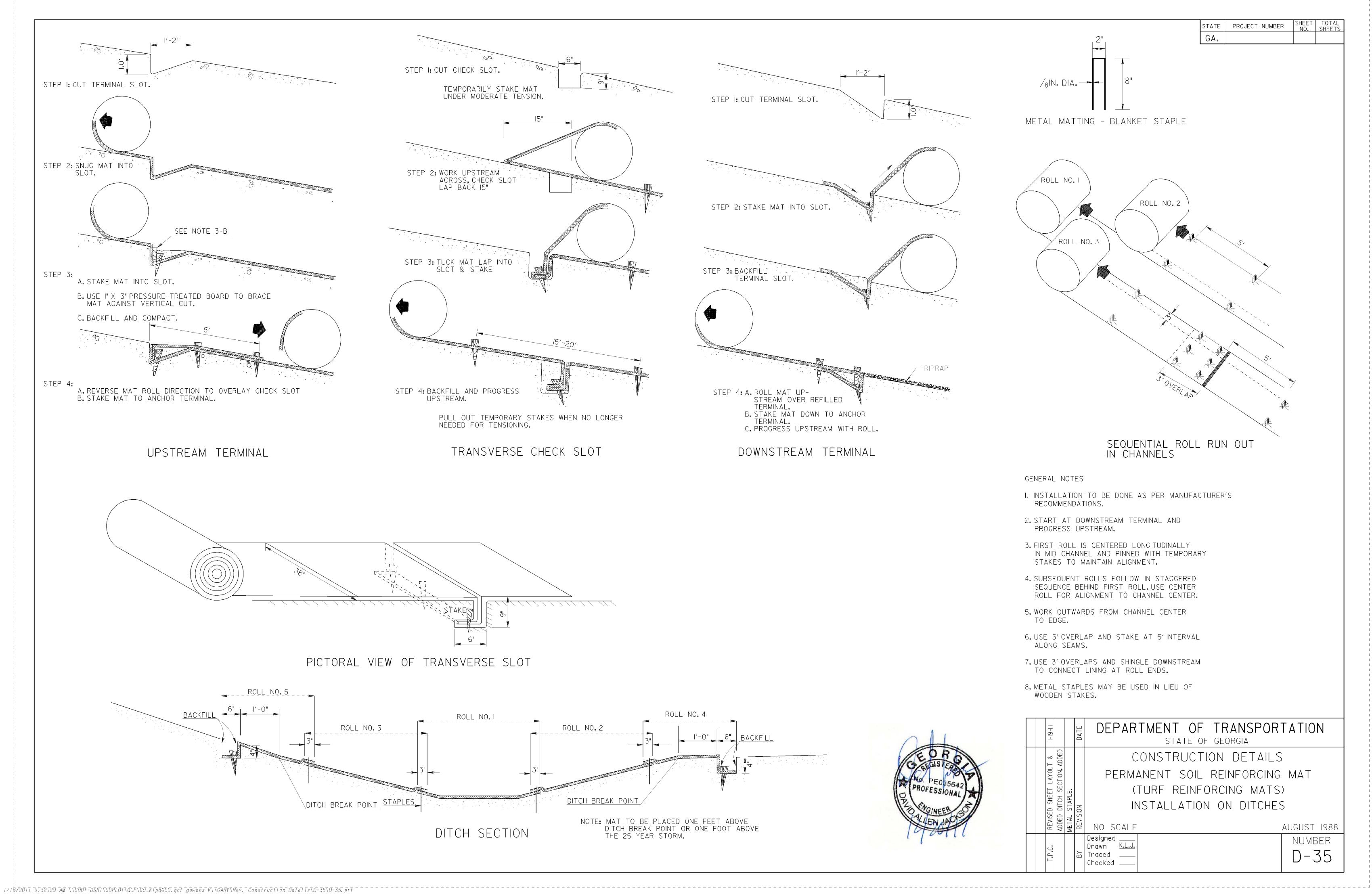
### NOTES:

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



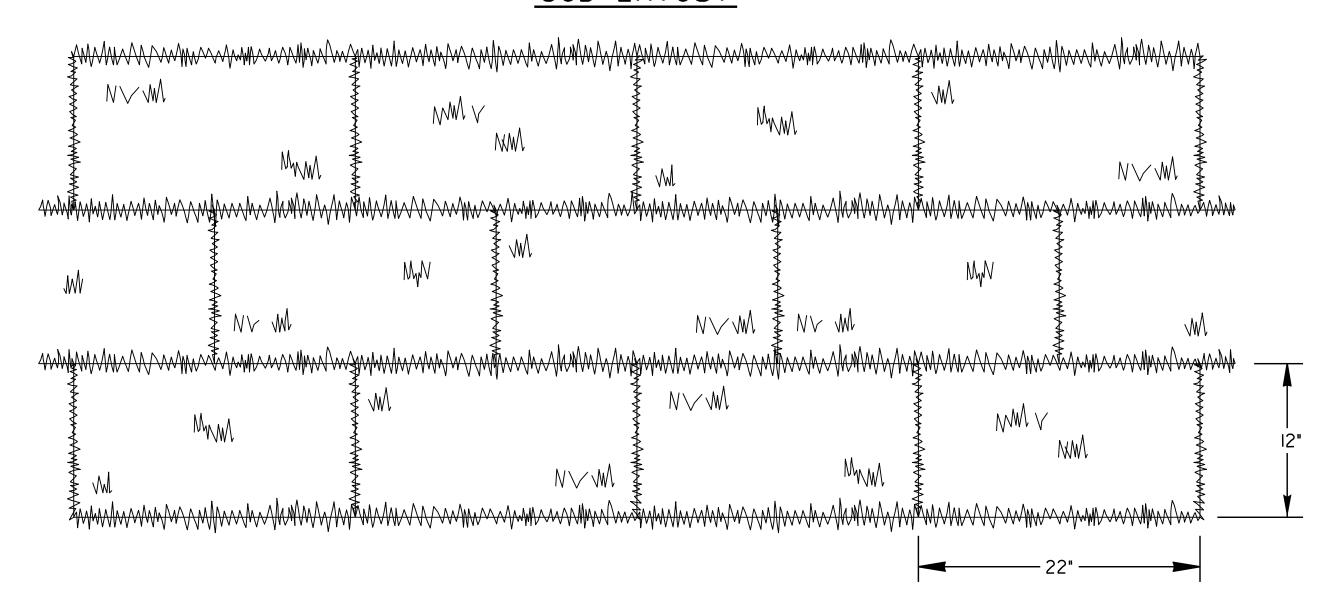
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		CONSTRUCTION DETAILS
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ВҮ		NUMBER D-24A (SHEET 1 OF 4)





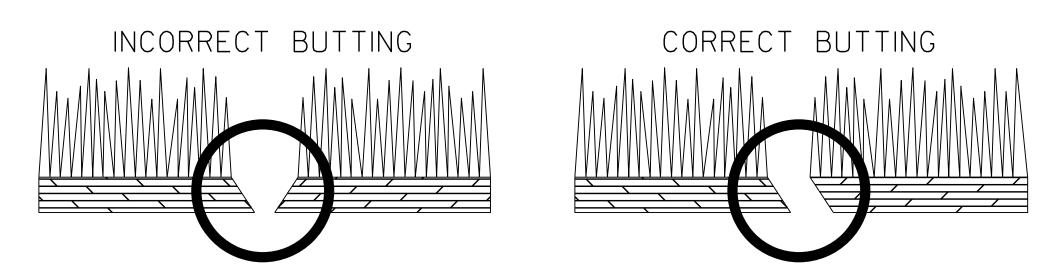
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## SOD LAYOUT

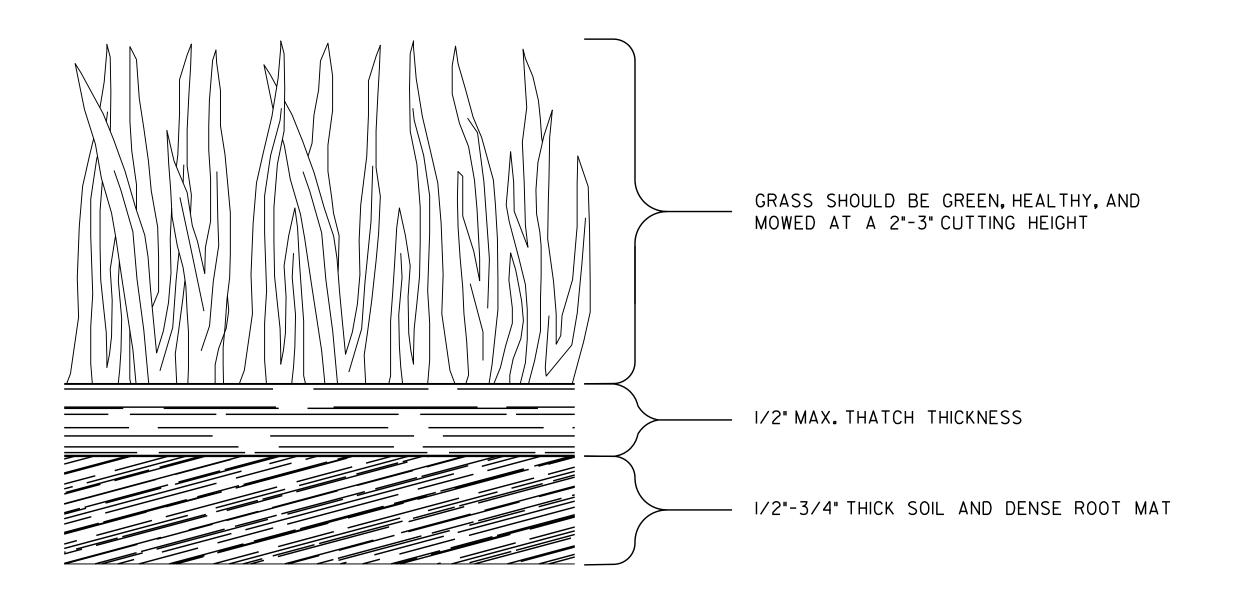


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

## ABUTTING SOD



## SOD APPEARANCE



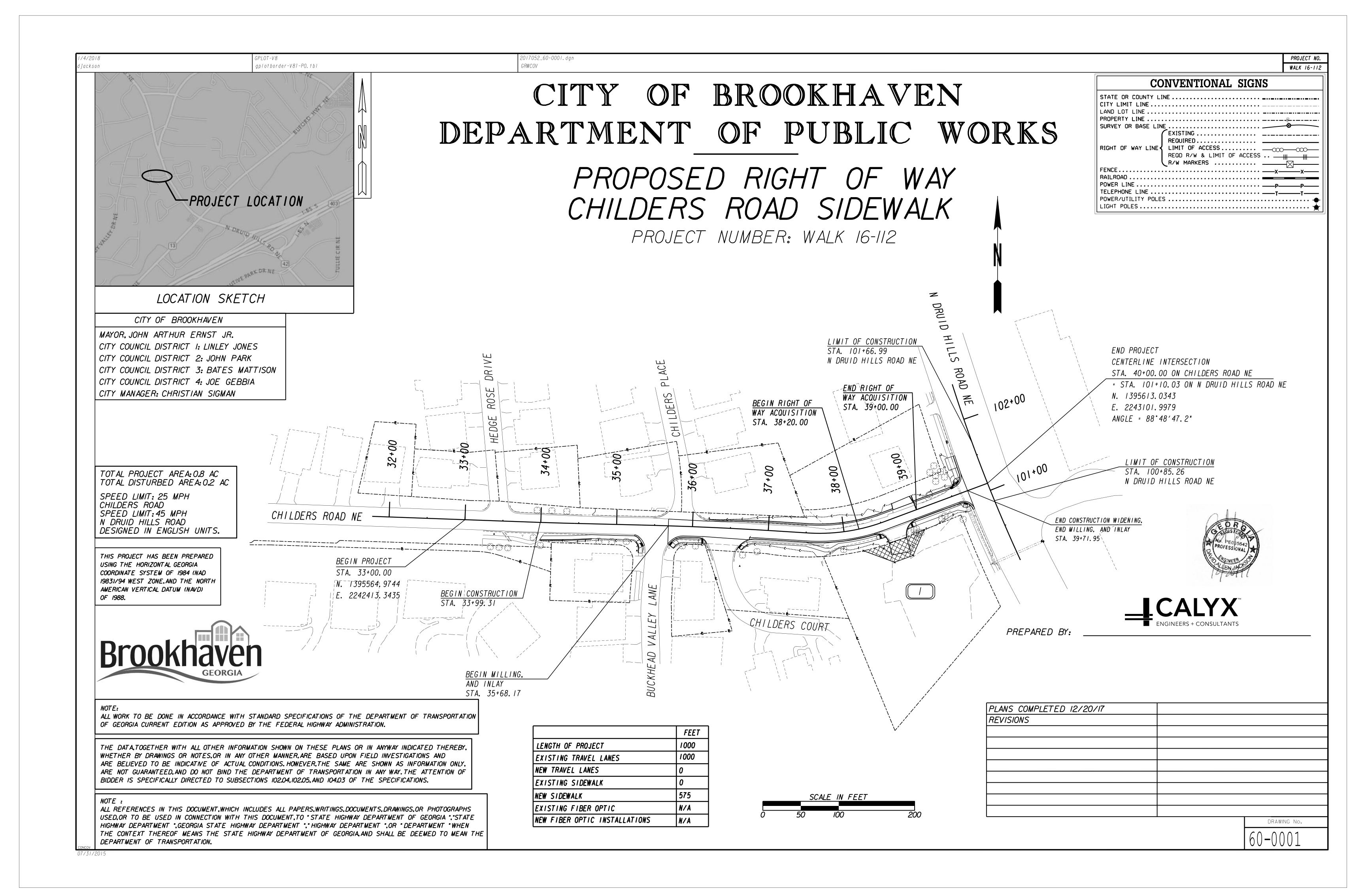
#### GENERAL NOTES:

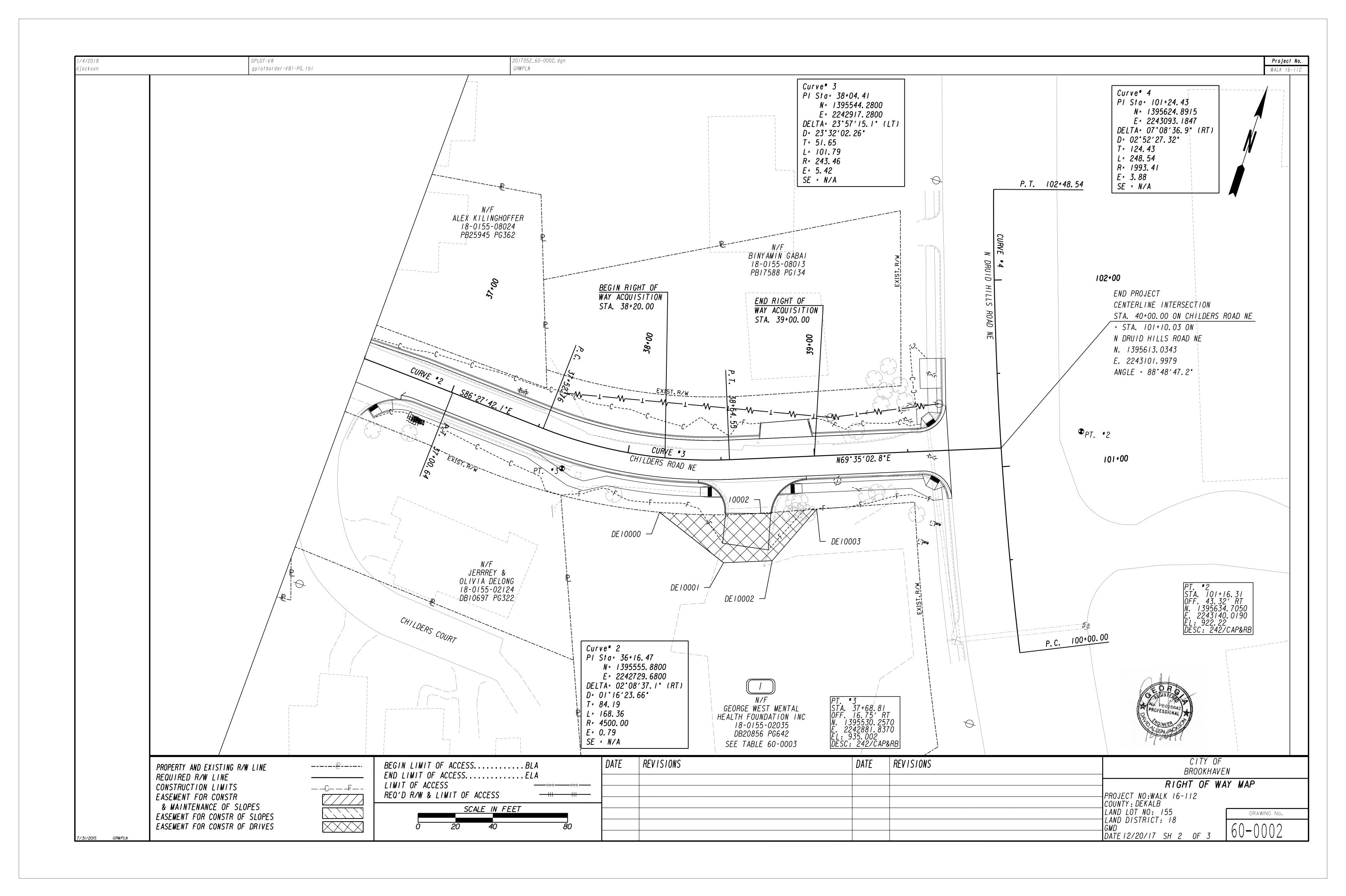
- I. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"W×22"L BLOCKS OR 21"W×52'L ROLLS.
- 2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
- 3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
- 4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:10R 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.
- 5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- 6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- 7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

700-9300 SOD



		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
			CONSTRUCTION DETAILS
		REVISION	SOD INSTALLATION
			NO SCALE 4-22-2016
		ВҮ	DESIGNED DRAWNDLE TRACED CHECKED





2017052\_60-0003. dgn Project No. GRWPLN djackson gplotborder-V8i-P0.tbl WALK 16-112 \*\*\*\*\*\*\*\*\*\* GEORGE WEST MENTAL HEALTH FOUNDATION INC PARCEL I DRIVEWAY EASEMENT \*\*\*\*\*\*\*\*\*\*\* STATION/ ALIGNMENT -----DE10000 29.25 R 38+20.00 CHILDERS ROAD NE ARC LENGTH = 54.27 CHORD BEAR = N 72°34′26.8″ E LNTH CHORD = 54.21 RADIUS = 333.71 DEGREE = 17°10′09.6" 10002 29.34 R 38+70.12 CHILDERS ROAD NE 39+00.00 DE 1 0 0 0 3 28.47 R CHILDERS ROAD NE DE 10002 55.00 R 38+75.00 CHILDERS ROAD NE 55.00 R 38+50.00 CHILDERS ROAD NE DE 1 0 0 0 1 38+20.00 DE 1 0 0 0 0 29. 25 R CHILDERS ROAD NE SEE DRAWING NO. 60-0002 NUMBER OF DRIVEWAYS I REMAINDER = +/- 0.800 AC CITY OF REVISIONS REVISIONS BEGIN LIMIT OF ACCESS.....BLA -----₽-----PROPERTY AND EXISTING R/W LINE **BROOKHAVEN** END LIMIT OF ACCESS.....ELA REQUIRED R/W LINE RIGHT OF WAY MAP LIMIT OF ACCESS CONSTRUCTION LIMITS PROJECT NO: WALK 16-112 COUNTY: DEKALB LAND LOT NO: 155 LAND DISTRICT: 18 REQ'D R/W & LIMIT OF ACCESS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES DRAWING No. EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES GMD DATE 12/20/17 SH 3 OF 3