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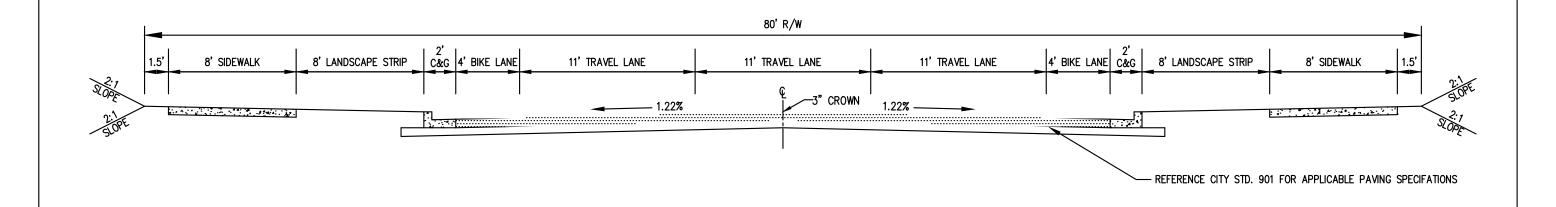
903 - CROSSWALK - SPECIAL EMPHASIS

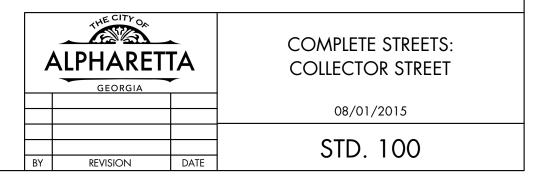
904 - BRICK PAVER SIDEWALK DETAIL FOR DOWNTOWN ALPHARETTA

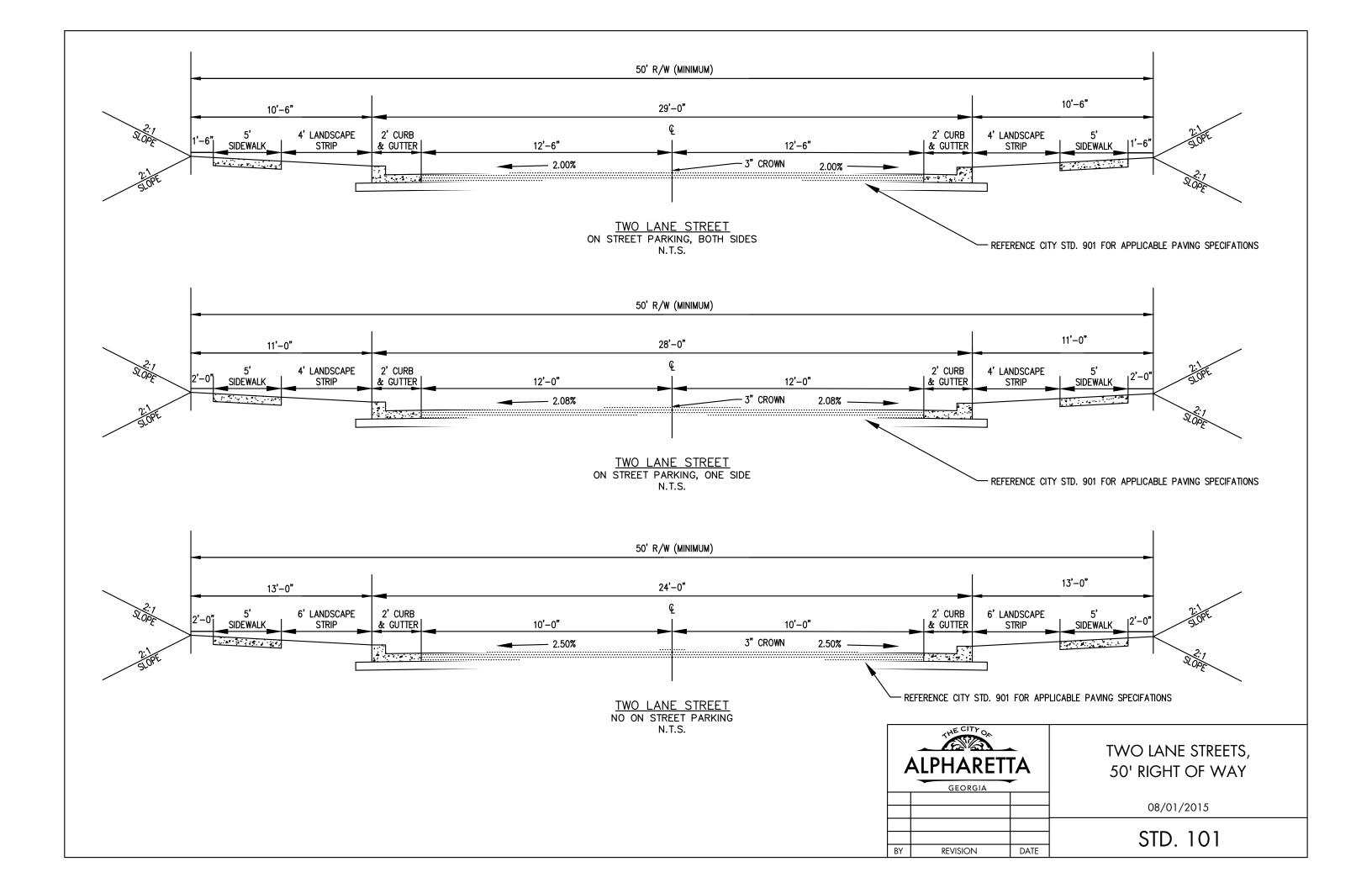
905 - MOUNTABLE CURB DETAILS

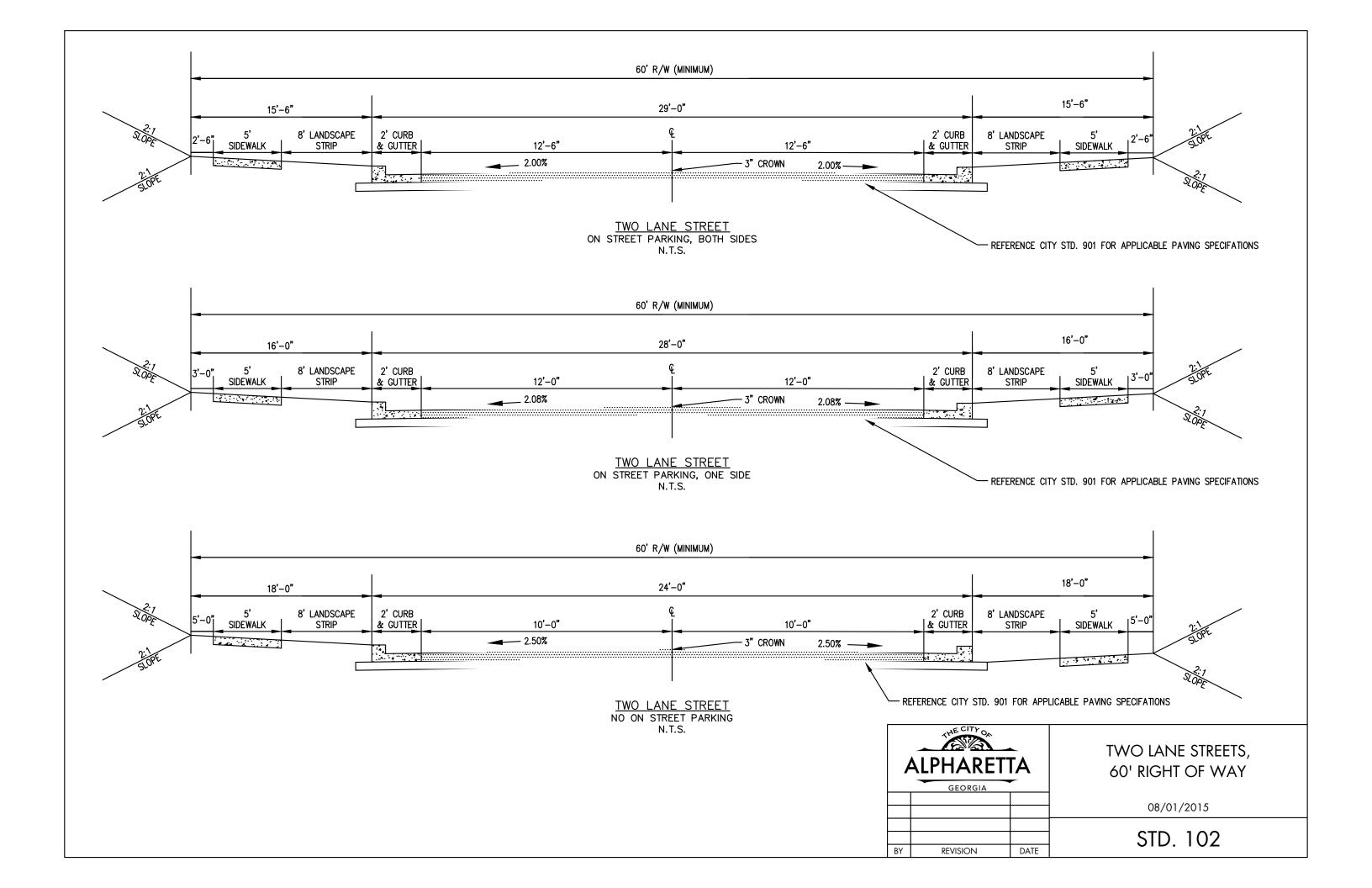
951 - DRIVEWAY DETAILS

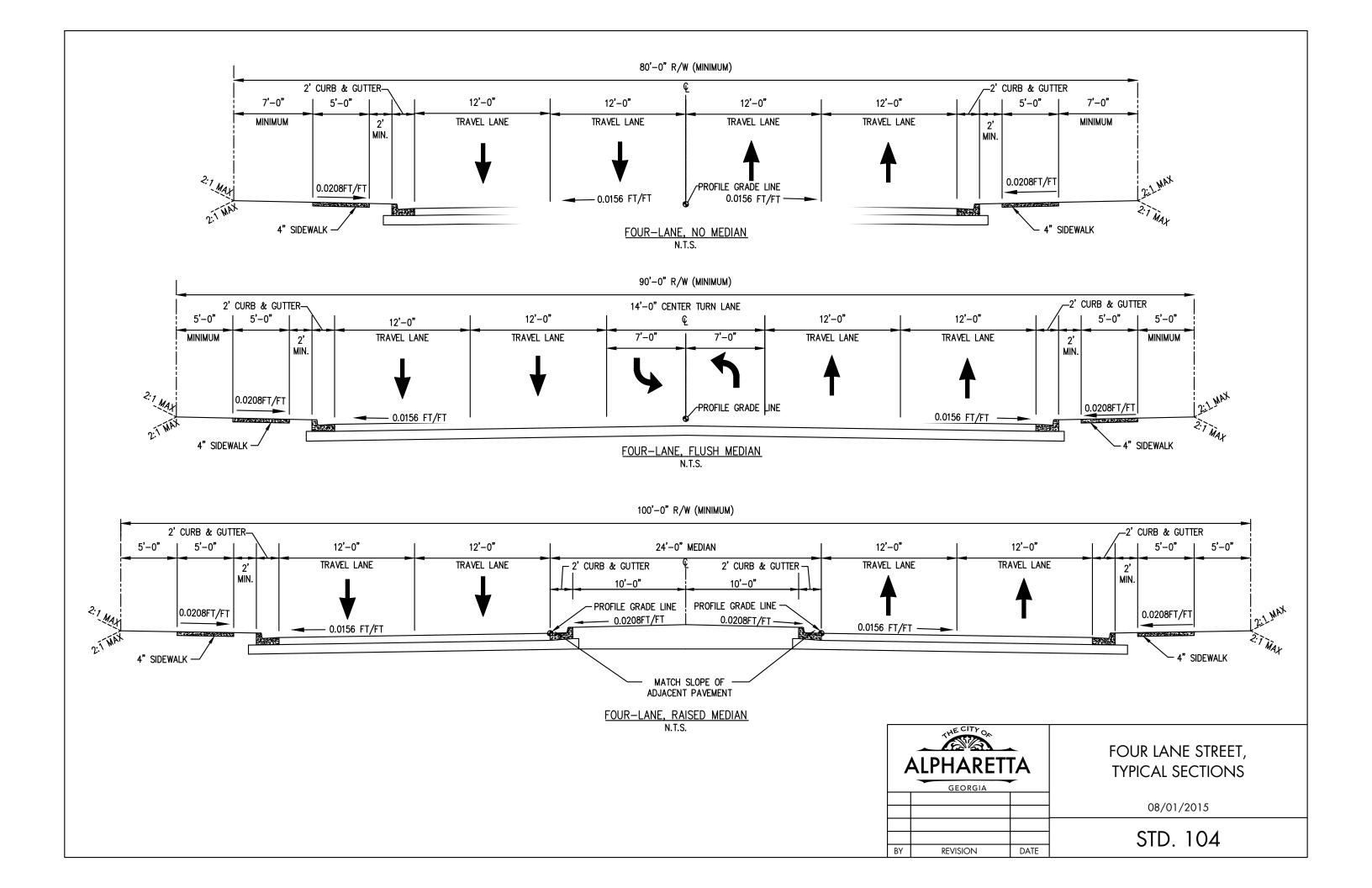
A	LPHARET GEORGIA	ÎA	COVER SHEET
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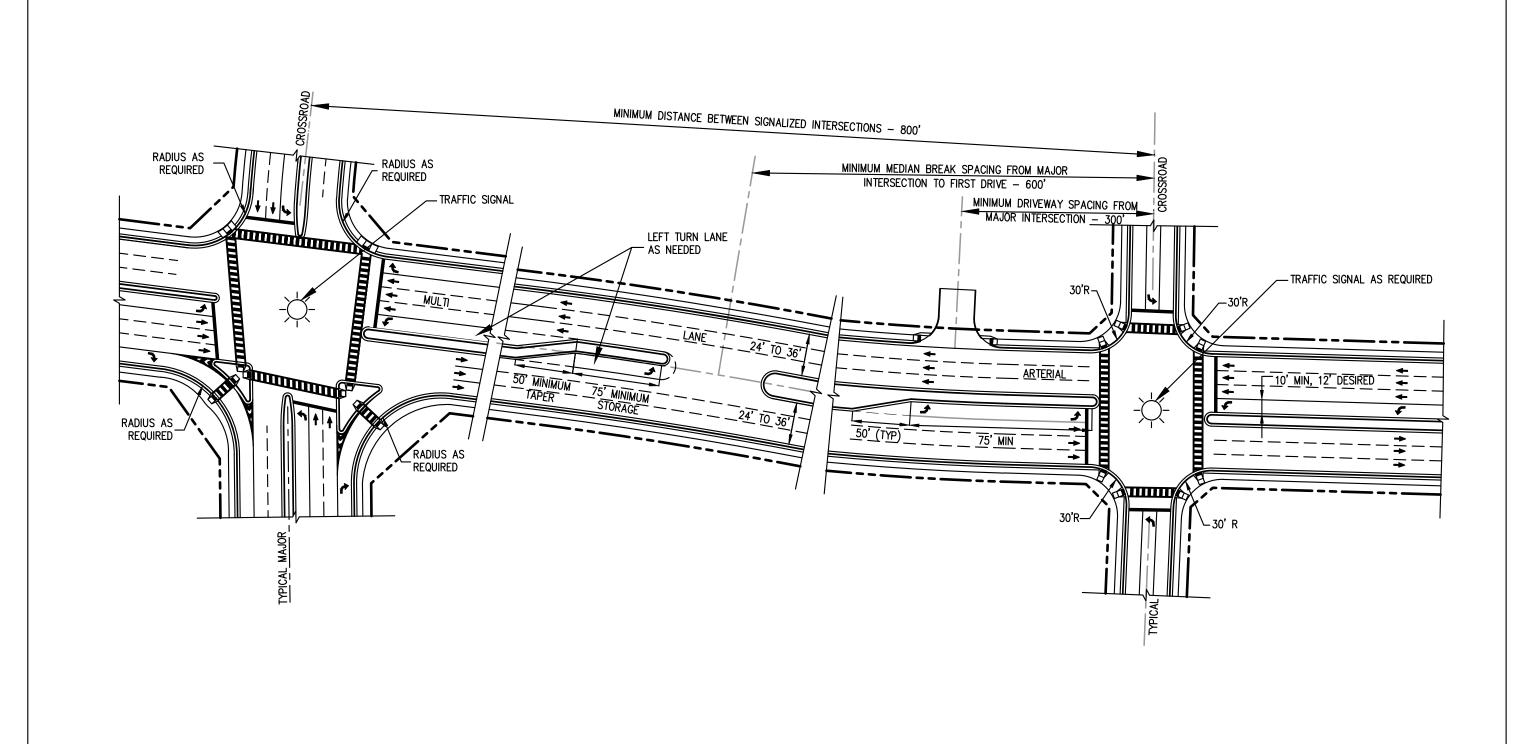


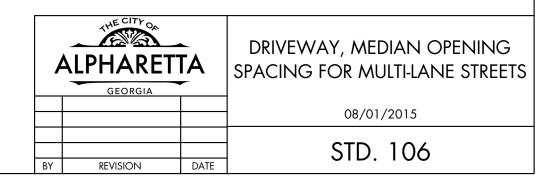


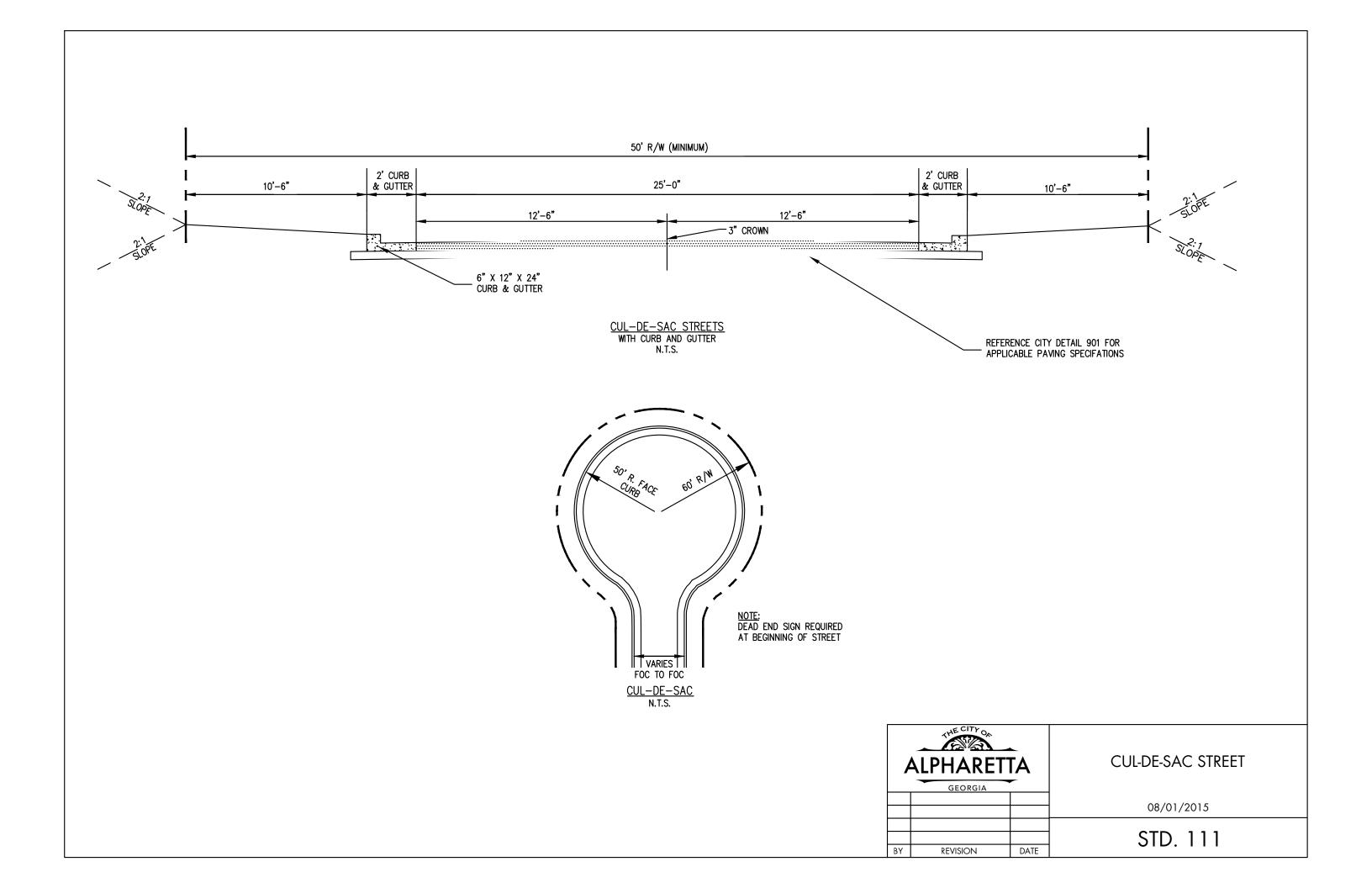


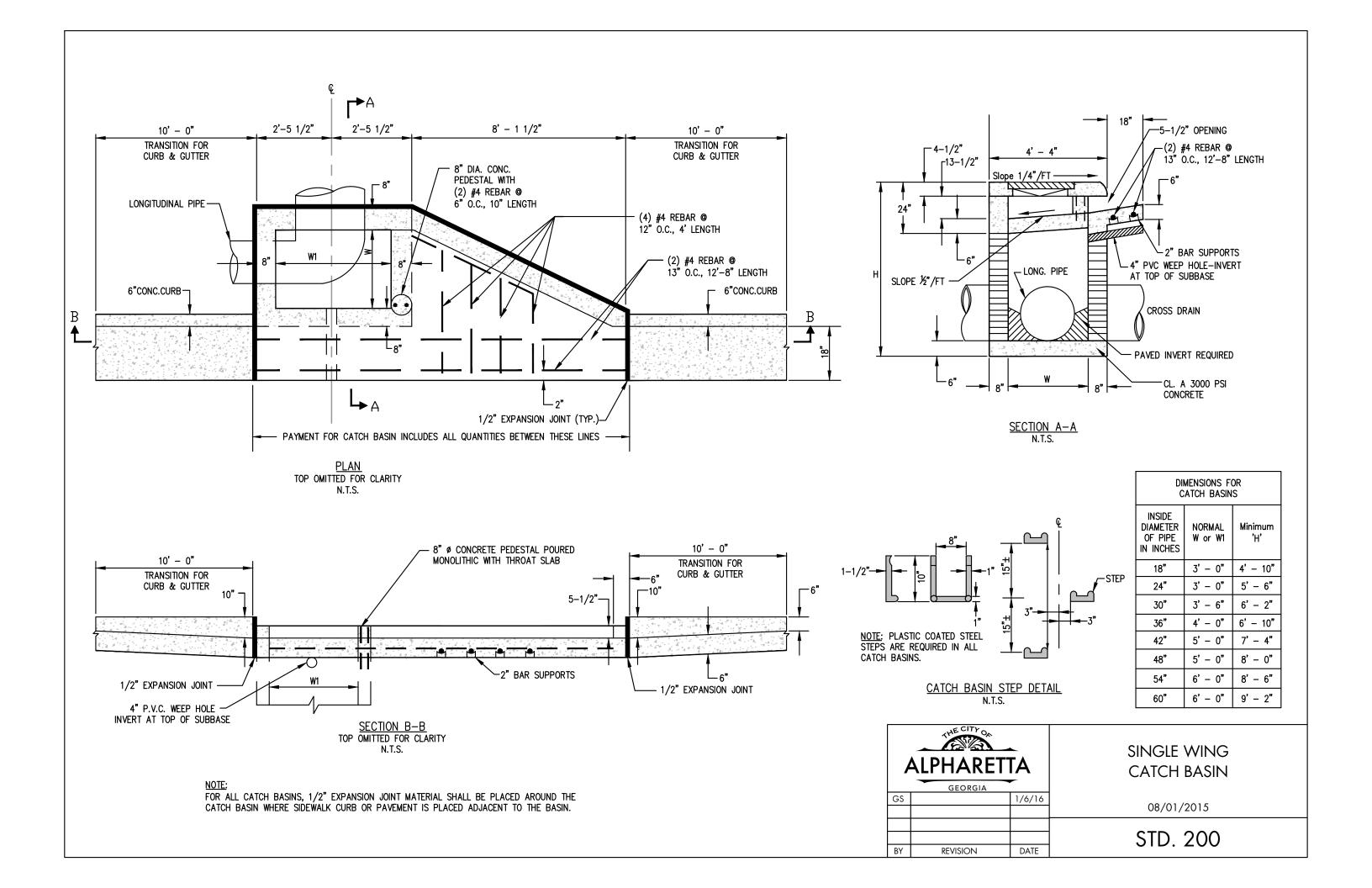


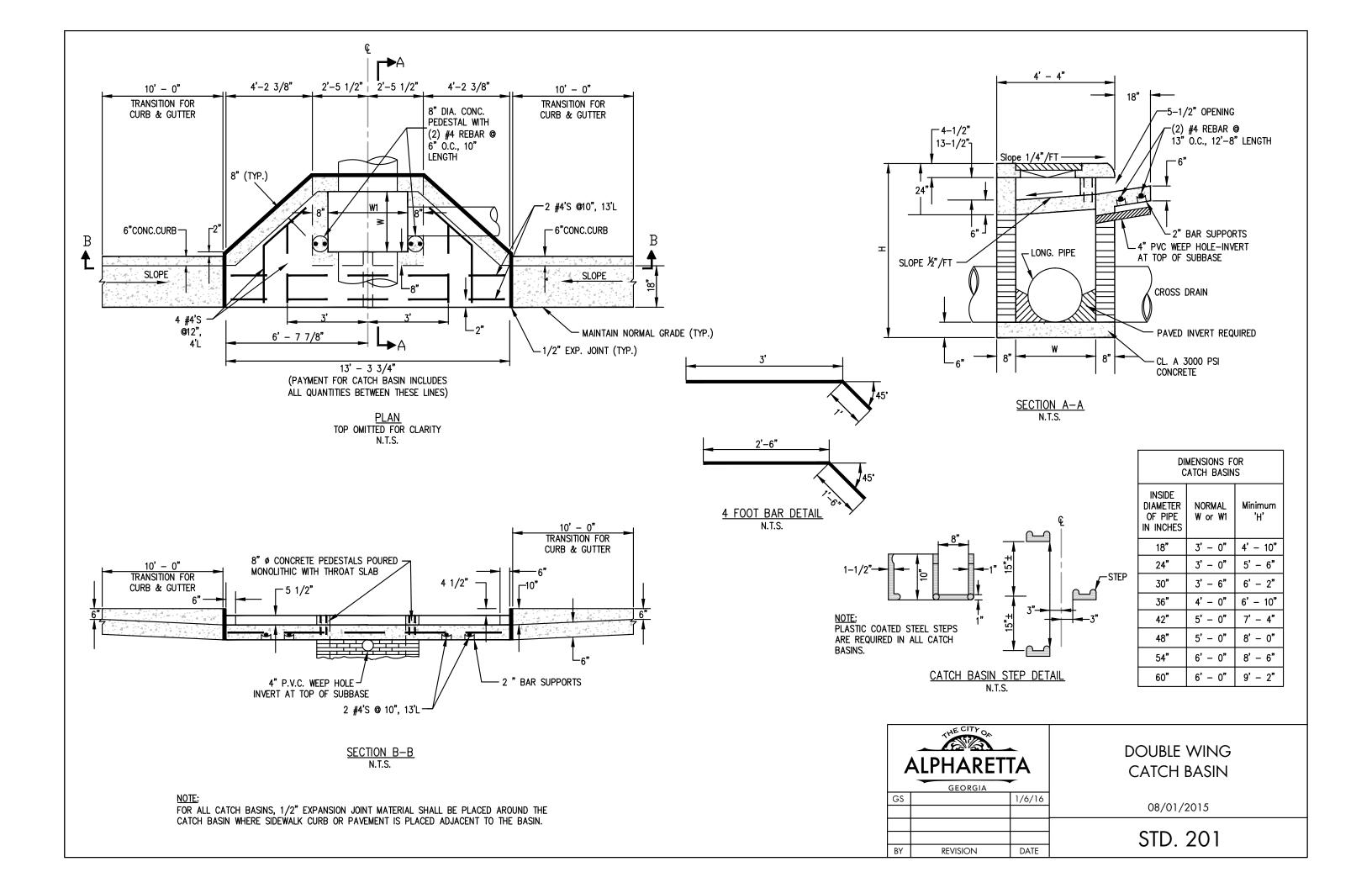


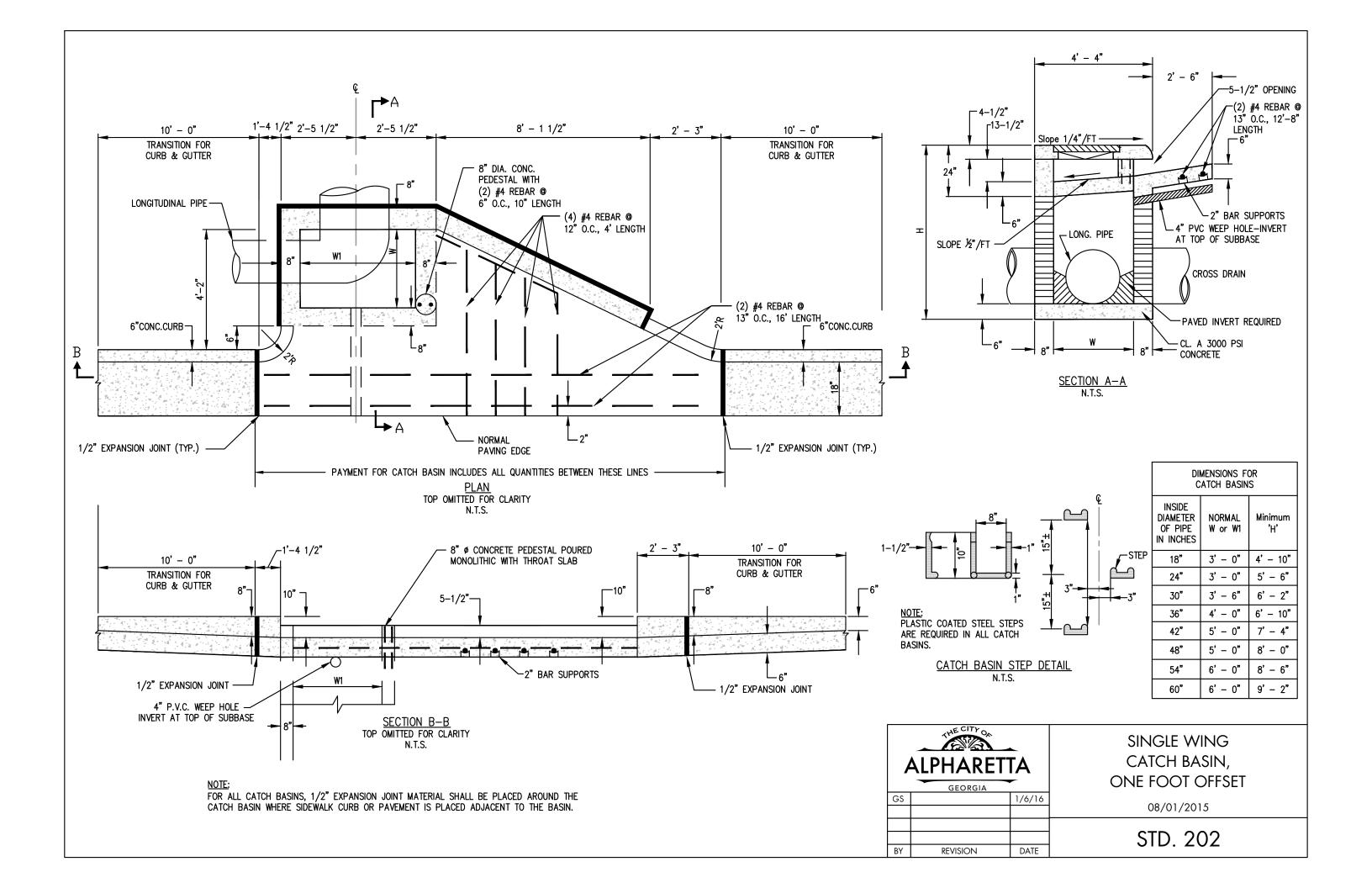


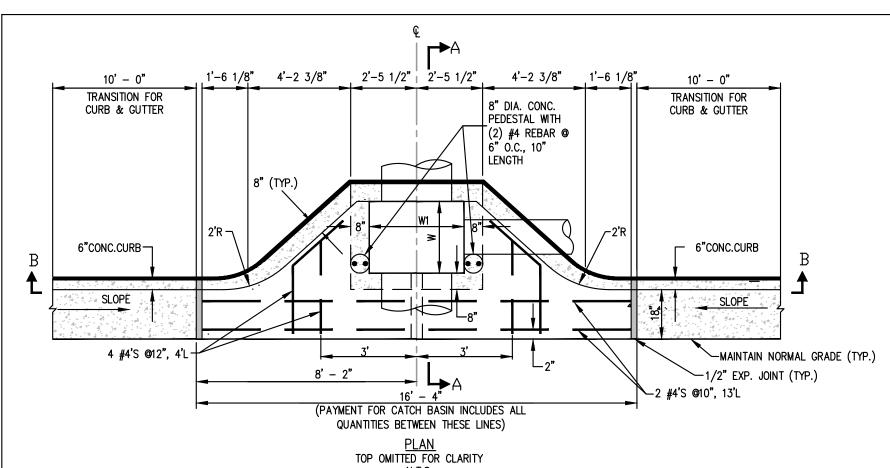


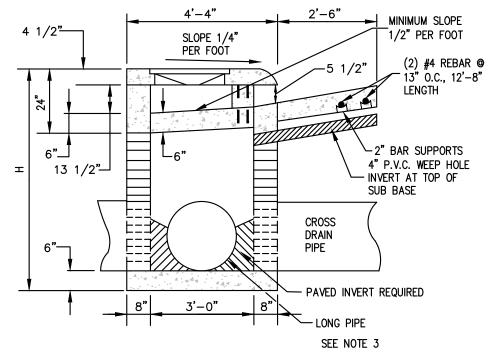




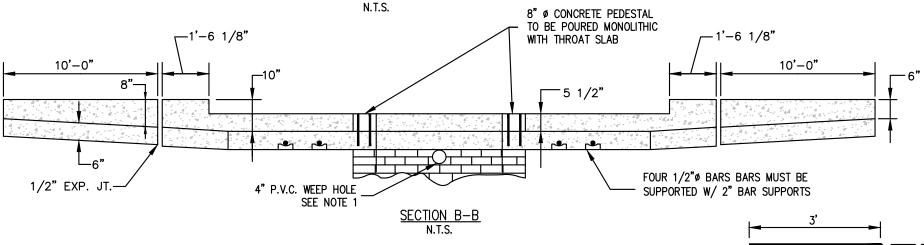


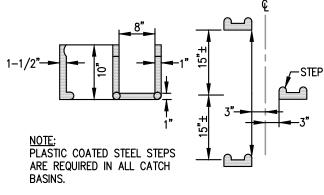






SECTION A-A N.T.S.





CATCH BASIN STEP DETAIL N.T.S.

NOTES:

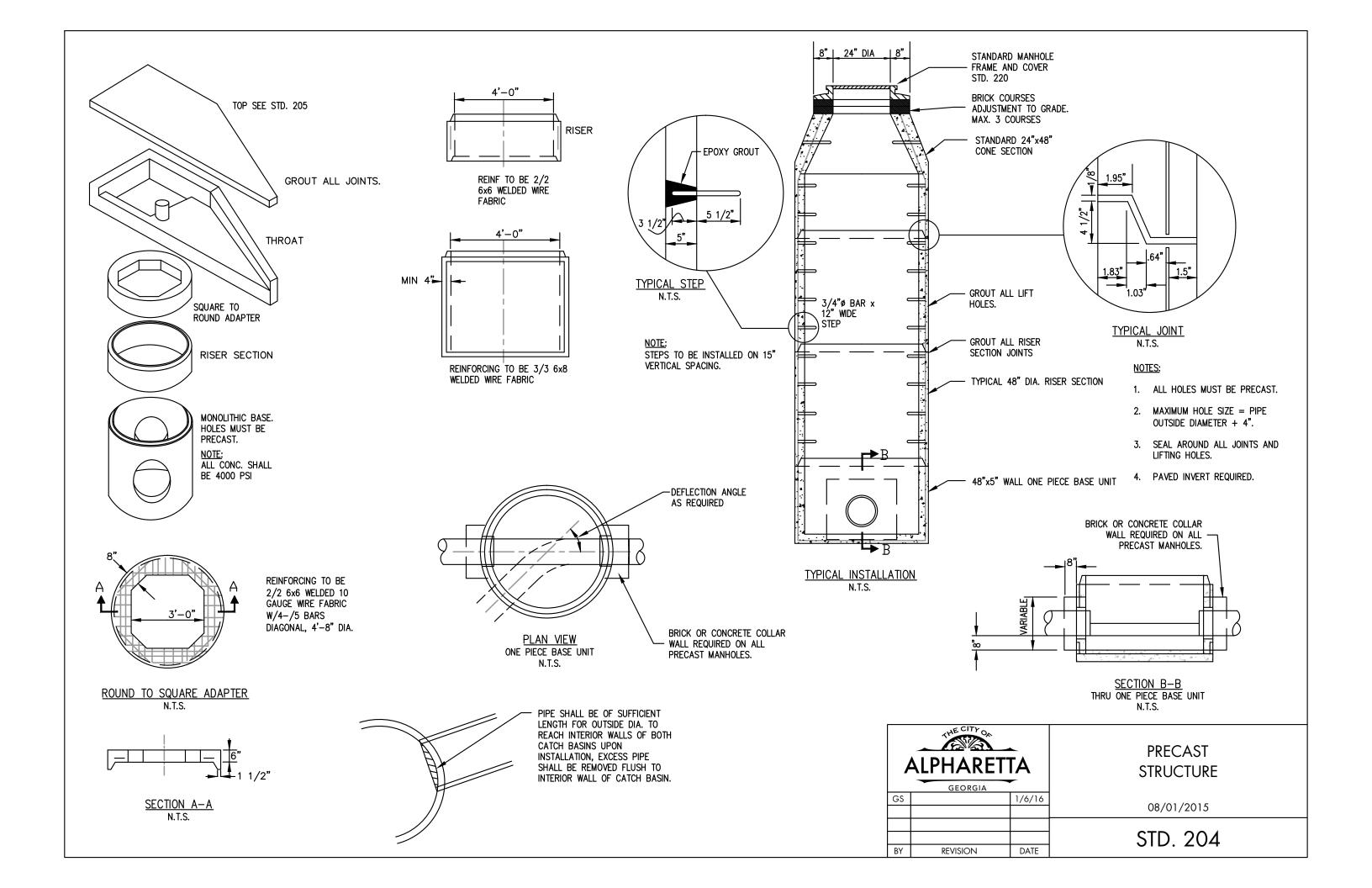
- 1. FOR ALL CATCH BASINS, 1/2" EXPANSION JOINT MATERIAL SHALL BE PLACED AROUND THE CATCH BASIN WHERE SIDEWALK OR MEDIAN PAVEMENT IS PLACED ADJACENT TO THE CATCH BASIN.
- 2. PLASTIC COATED STEEL STEPS ARE REQUIRED IN ALL CATCH BASINS.
- 3. ALL POURED IN PLACE CONCRETE TO BE CLASS "A" 3000 P.S.I.
- 4. 8" CONCRETE PEDESTAL REQUIRE 4 1/2" Ø BARS EACH.

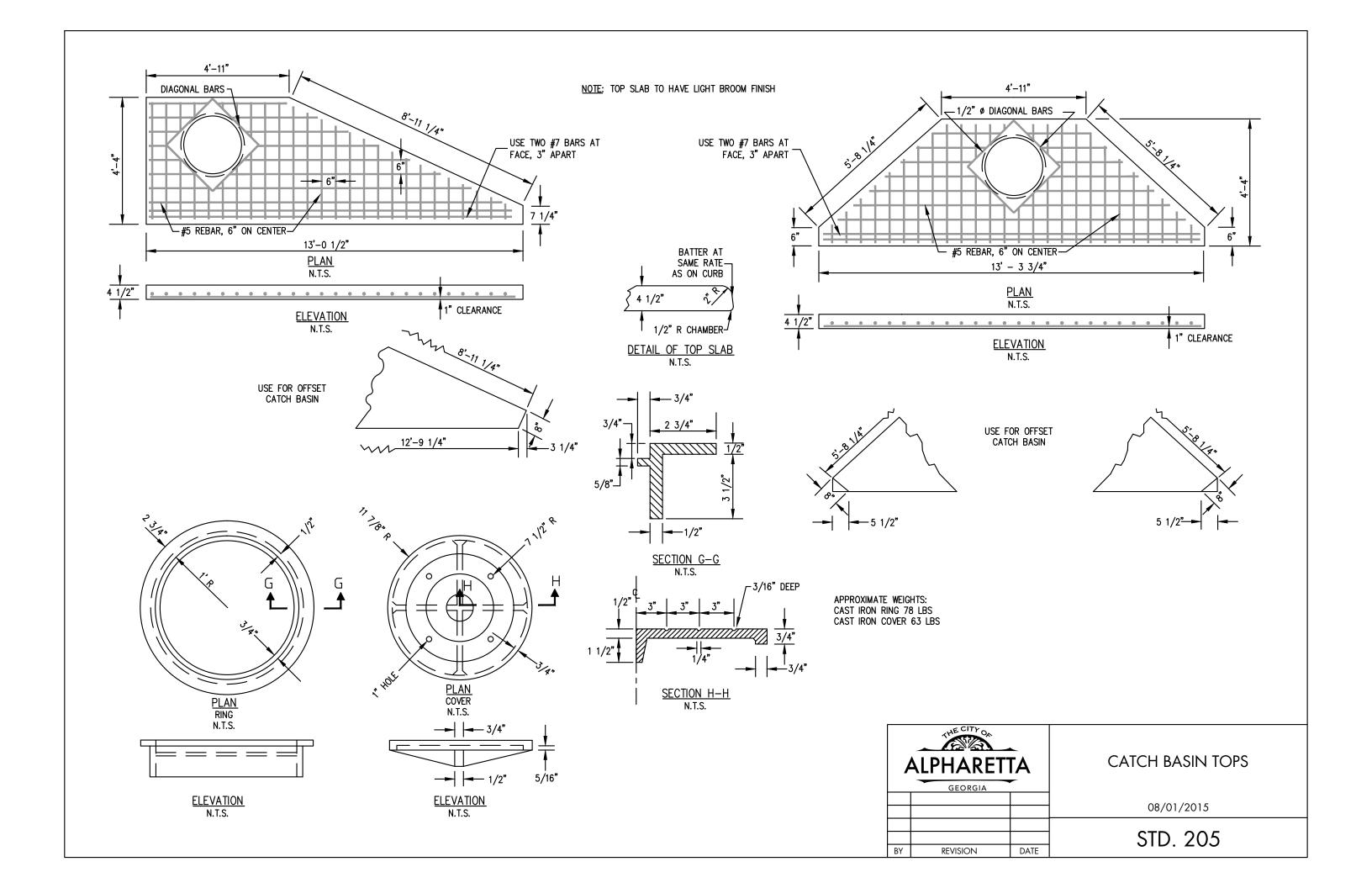
	DIMENSIONS FOR CATCH BASINS	
INSIDE DIAMETER OF PIPE IN INCHES	NORMAL W or W1	MINIMUM 'H'
18"	3'-0"	4'-10"
24"	3'-0"	5'-6"
30"	3'-6"	6'-2"
36"	4'-0"	6'-10"
42"	5'-0"	7'-4"
48"	5'-0"	8'-0"
54"	6'-0"	8'-6"
60"	6'-0"	9'-2"

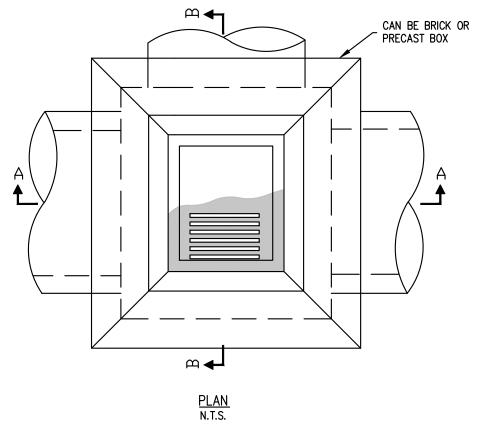
GEORGIA 1/6/16	•	ALPHARET	ĪΑ						
GS 1/6/16									
	GS		1/6/16						
BY REVISION DATE	BY	revision	DATE						

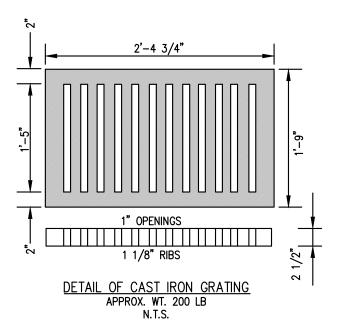
4 FOOT BAR DETAIL

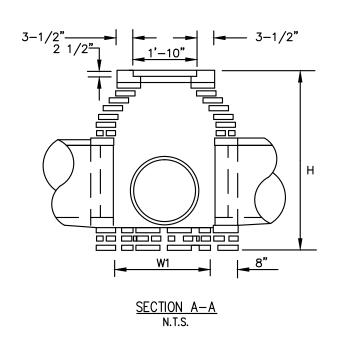
DOUBLE WING CATCH BASIN, ONE FOOT OFFSET

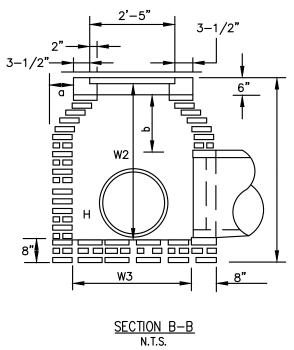








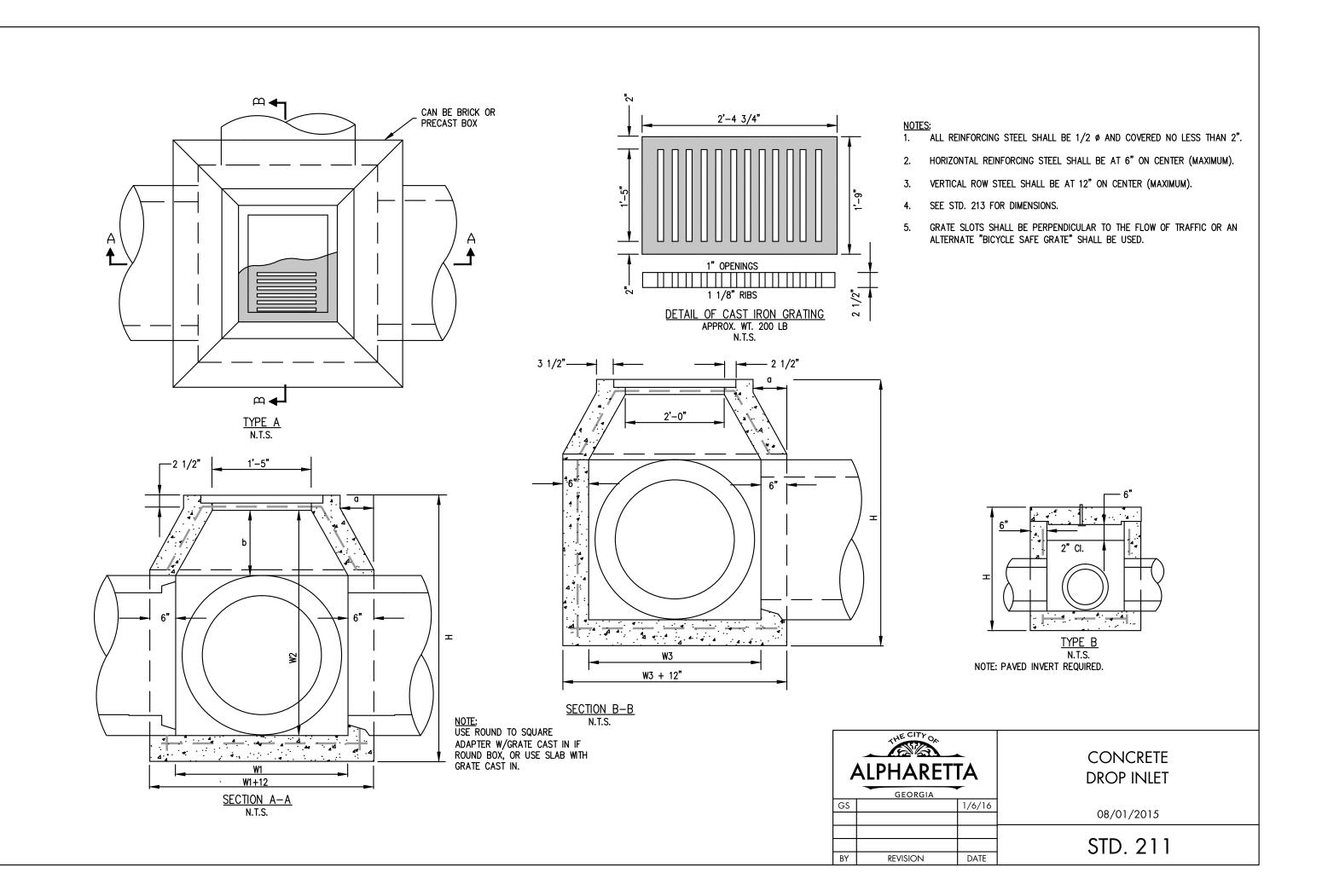


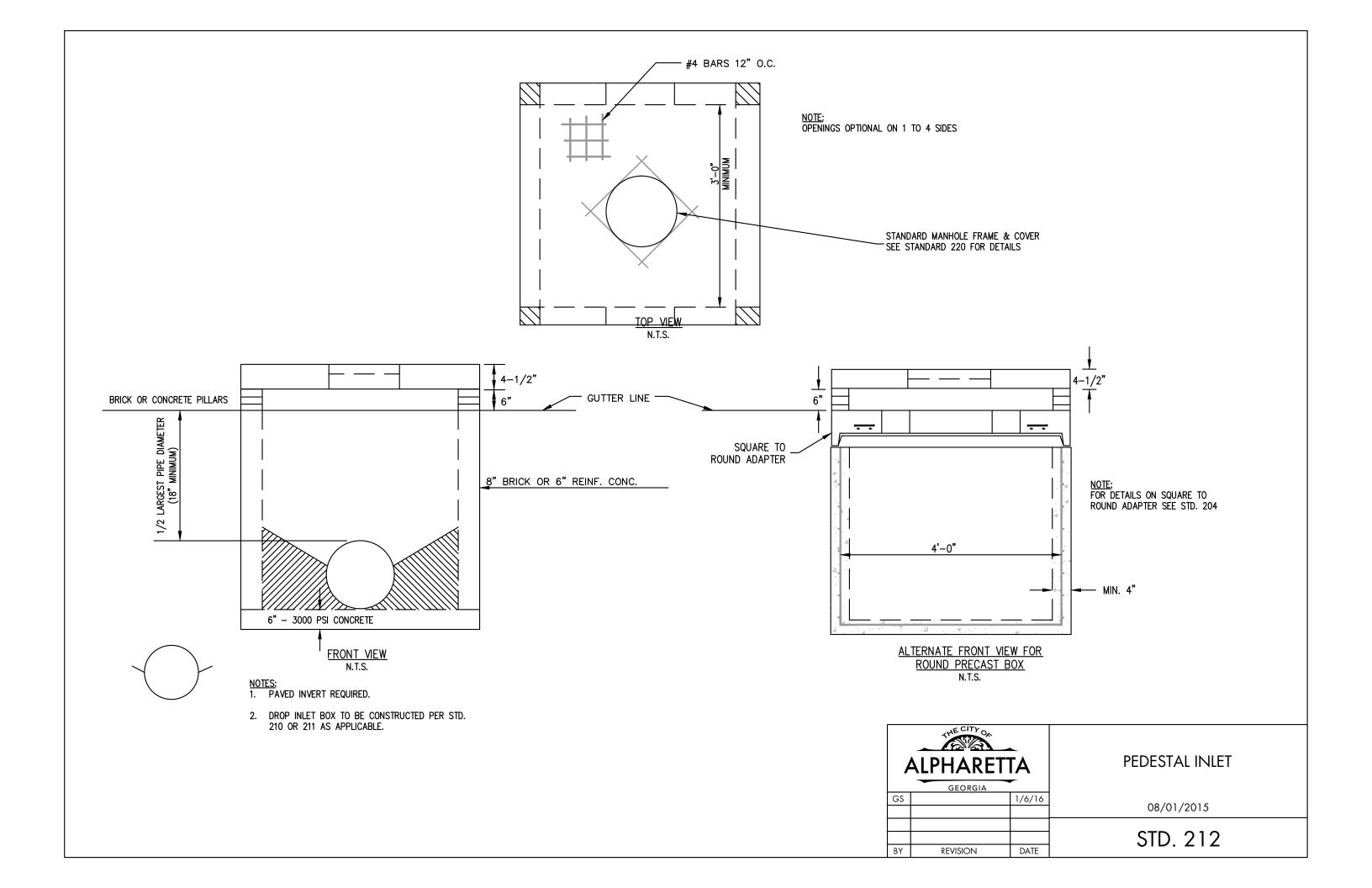


NOTES:

- PAVED INVERT REQUIRED.
 SEE STD. 213 FOR DIMENSIONS.

A	ALPHARETT GEORGIA	Ā	BRICK DROP INLET
GS		1/6/16	08/01/2015
BY	REVISION	DATE	STD. 210





BRICK DROP INLET (STD. 210)

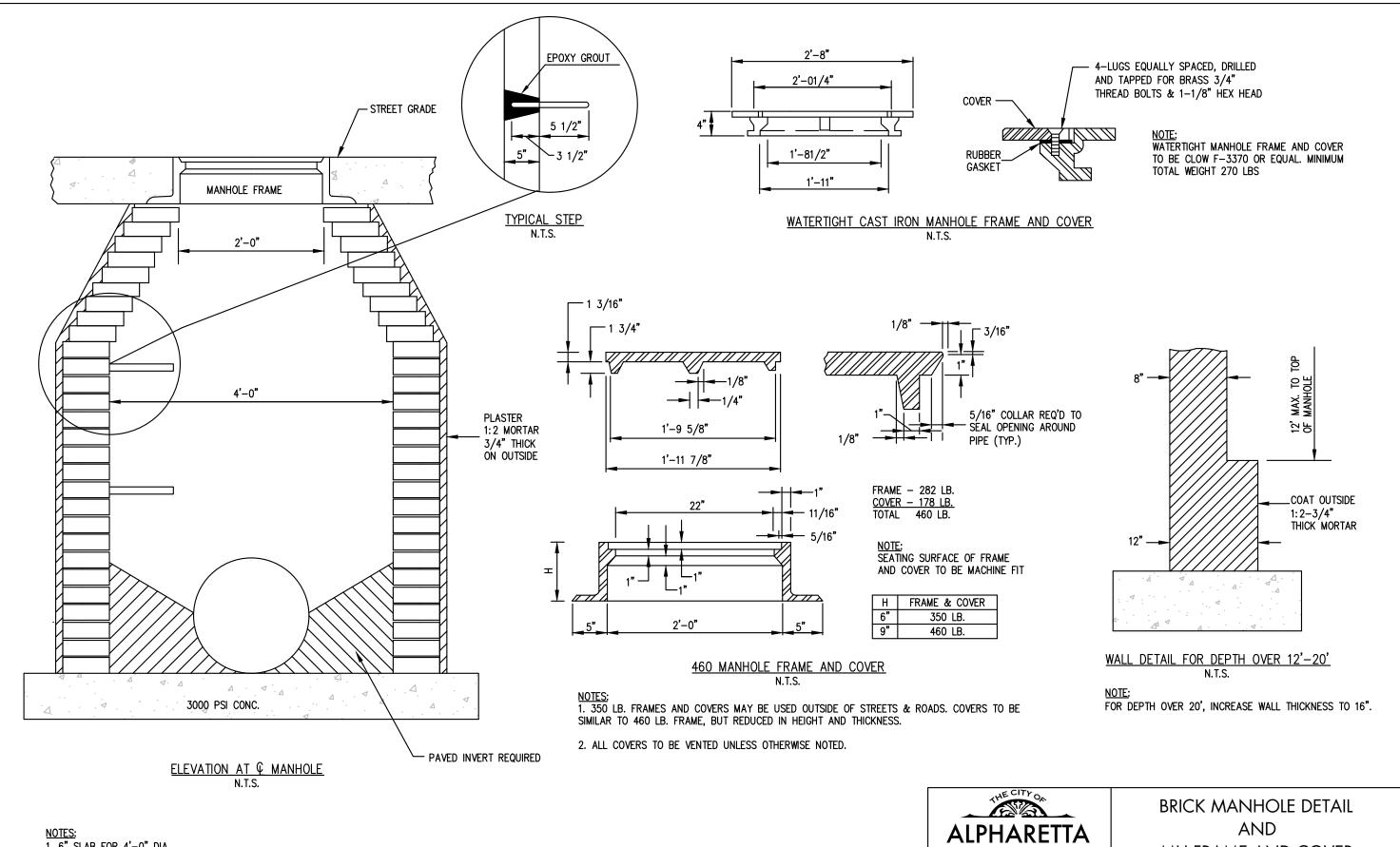
D	W1	MINW2	W3	a	b	MIN-H
18"	2'-2"	3'-2 1/2"	2'-9"	0'-4 1/2"	0'-8"	4'-1"
24"	2'-8"	3'-3"	3'-3"	0'-7 1/2"	1'-1 1/4"	4'-9"
30"	3'-7 1/4"	4'-0"	3'-10"	1'-0"	1'-9"	5'-10"
36"	4'-2"	6'-0 1/2"	4'-9"	1'-4 1/2"	2'-2 1/4"	6'-11"
42"	4'-5"	7'-1 3/4"	5'-0"	1'-6"	2'-7 1/4"	8'-0 1/4"
48"	5'-0"	8'-2 3/4"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-1 1/4"
54"	5'-7"	9'-4"	6'-2"	2'-1"	3'-7 1/2"	10'-2 1/2"
60 "	6'-2"	10'-5"	6'-9"	2'-4 1/2"	4'-1 1/2"	11'-3 1/4"
60"	6'-9"	11'-6"	7'-4"	2'-8"	4'-7 1/2"	12'-4 1/4"
72"	7'-4"	12'-7"	7'-11"	2'-11 1/2"	5'-2"	13'-5 1/2"

NOTE:
MAXIMUM VERTICAL DEPTH FOR DROP INLET - H=15'-0"

CONCRETE DROP INLET (STD. 211)

			TY	PE A				TYPE B	
D	W1	MINW2	W 3	α	b	MIN-H	NORMAL W OR W1	MIN-h	MIN-H
18"	2'-0"	2'-9 1/2"	2'-7"	0'-3 1/2"	0'-6"	3'-6"	2'-3"	2'-10"	4'-0"
24"	2'-8"	4'-0 1/2"	3'-3"	0'-7 1/2"	1'-1"	4'-9"	3'-0"	3'-8"	4'-10"
30"	3'-4"	5'-1 1/2"	3'-11"	0'-11 1/2"	1'-8"	5'-10"	3'-6 1/2"	4'-2 1/2"	5'-4 1/2"
36"	3'-10"	6'-1 1/2"	4'-5"	1'-2 1/2"	2'-1 1/4"	6'-10"	4'-2"	4'-10"	6'-0"
42"	4'-5"	7'-2 1/2"	5'-0"	1'-6"	2'-7 1/2"	7'-11"	4'-8 1/2"	5'-4 1/2"	6'-6 1/2"
48"	5'-0"	8'-3 1/2"	5'-7"	1'-9 1/2"	3'-1 1/4"	9'-0"	5'-3 1/2"	5'-11 1/2"	7'-1 1/2"
54"	5'-7"	9'-4 1/2"	6'-2"	2'-1"	3'-7 1/4"	10'-1"	5'-10"	6'-6"	7'-8"
60"	6'-2"	10'-5 1/2"	6'-9"	2'-4 1/2"	4'-1 1/2"	11'-2"	6'-4 1/2"	7'-0 1/2"	8'-2 1/1"
60"	6'-9"	11'-6 1/2"	7'-4"	2'-8"	4'-7 1/2"	12'-3"	6'-11"	7'-7"	8'-9"
72"	7'-4"	12'-7 1/2"	7'-11"	2'-11 1/2"	5'-1 1/4"	13'-4"	7'-5 1/2"	8'-1 1/2"	9'-3"

A	ALPHARET GEORGIA	ĪA	DROP INLET DIMENSIONS
			08/01/2015
BY	revision	DATE	STD. 213

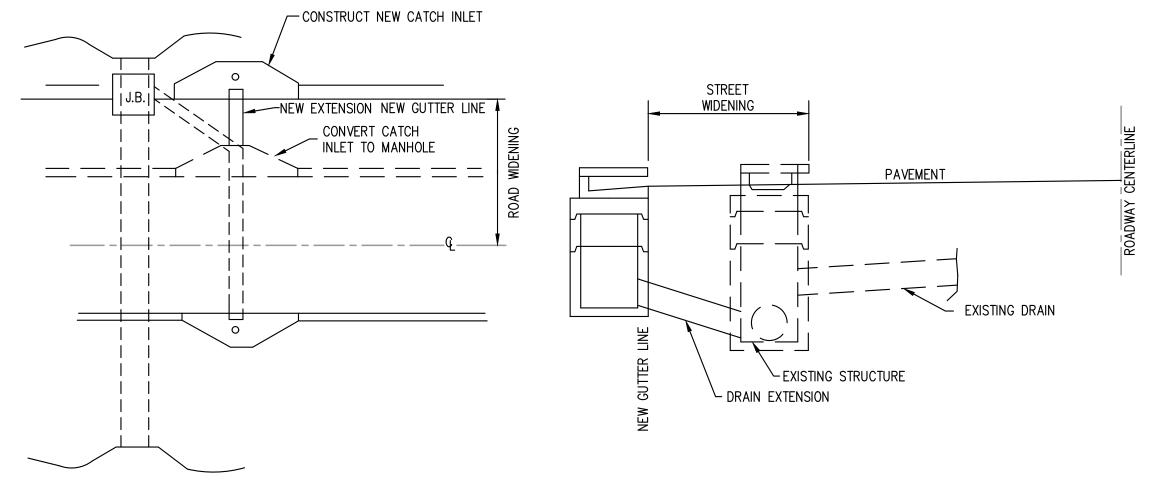


1. 6" SLAB FOR 4'-0" DIA.	
2. 8" SLAB FOR 5'-0" AND 6'-0" DIA.	

<i>A</i>	ALPHARET	ĪΑ	
	GEORGIA		
GS		1/6/16	
BY	REVISION	DATE	

MH FRAME AND COVER

08/01/2015



STREET WIDENING CONVERTING CATCH INLET TO MANHOLE N.T.S.

- NOTES:

 1. REMOVE EXISTING TOP & THROAT OF CATCH INLET.

 2. ADD BRICK COURSES FOR GRADE ADJUSTMENT.

 3. COMPLETE BY ADDING STANDARD MANHOLE FRAME COVER, PER STDS. 220 AND 401.

,	ALPHARET GEORGIA	ĪA	CATCH INLET RELOCATION
			08/01/2015
BY	REVISION	DATE	STD. 221

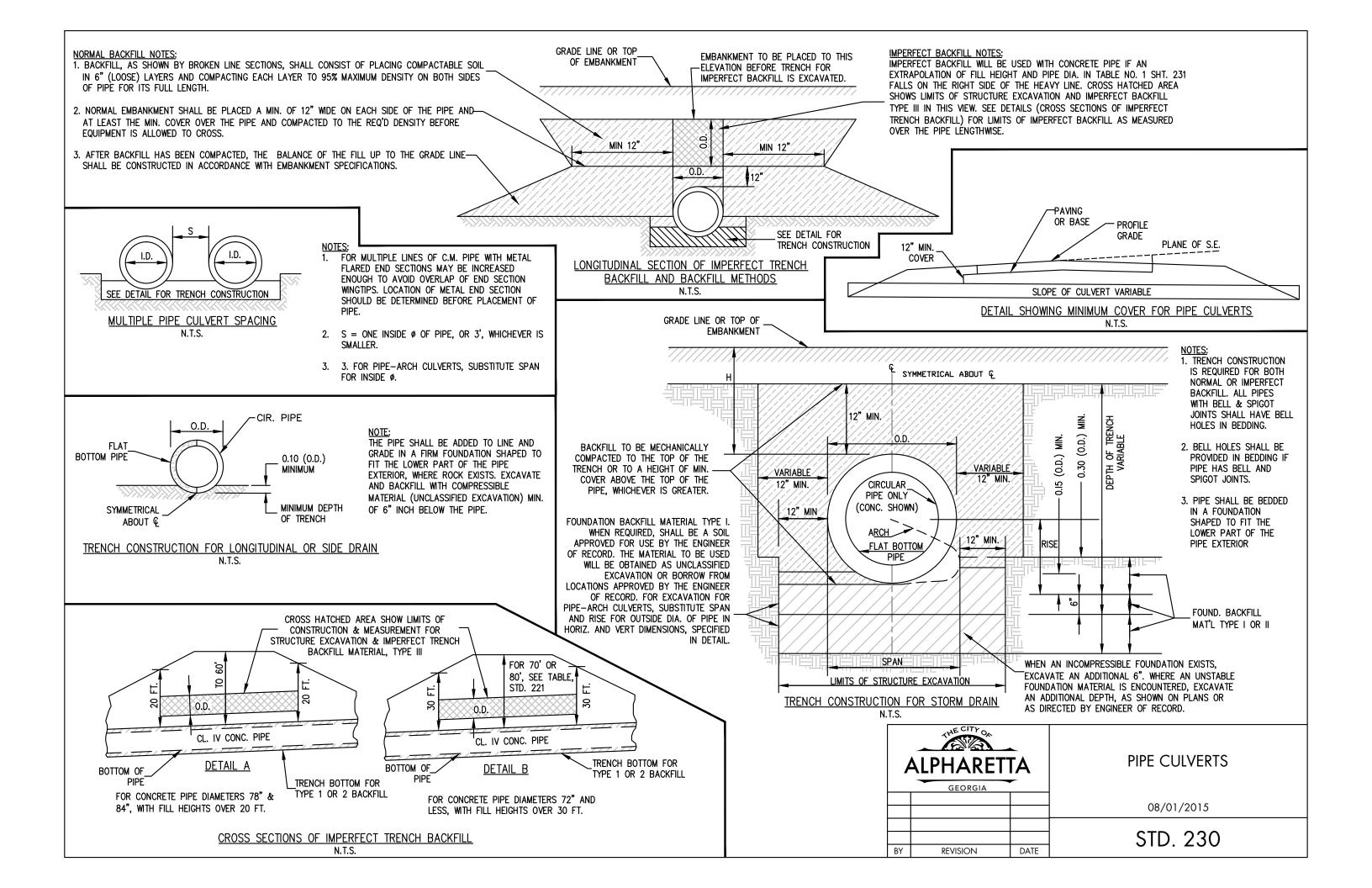


TABLE SHOW	TABLE SHOWING WINIMUM THICKNESS IN INCHES OF CORRUGATED SITEE, AND	IBLE NO. 2 (PIPE-ARCH	i) CORRUGAT	ED STEEL /				TABLE NO 1	IO 1 ROUND MUM CLASS	₹5	PE - CONCRETE CONCRETE OR N	: - CORRI MINIMUM	- CORRUGATED STEEL MINIMUM THICKNESS OF		- CORRUGATED ALUMINUM STEEL AND ALUMINUM	D ALUMINI UMINUM	M		
CORRUGATEL) ALUMINUM PIF ABOVE	PE-ARCH AN THE TOP OF	D MAXIMUM THE PIPE-	HEIGHTS C -ARCH	F FILL IN	<u>—</u>	PIPE					HEIG	GHT OF FIL	FILL IN FEET	ABOVE	70P OF PIP	<u>ا</u>			
DIAMETER OF	NOM	- MO!	MIN. THICK	MIN. THICKNESS (INCHES)		MAX.	DIAMETER (INCHES)	TYPE	1–10	10–15	15-20	20-25	25–30	30–35	35-40	40-50	20-60	02-09	70-80	80-90
PIPE OF EQUAL PERIPHERY INCH	SPAN.	N S S S S S S S S S S S S S S S S S S S	COR. STEEL		COR. ALUMIN UM	두드(F)	12	CONCRETE STEEL I	0.0640	0.0640	1V 0.0640	v 0.0640	v 0.0640	v 0.0640	v 0.0640	v 0.0640	v 0.0640	v 0.0640	v 0.0640	0.0640
ť	<u>;</u>	, t	0.0640			13		ALUM I CONCRETE	0.0600	0.0600	0.0600	_		-		_		-	0.0750	0.0750
2	:			°	0.0600	15	15	STEEL I ALUM I	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640
85	22	ئ 9.	0.0640		0090	21 4	18	CONCRETE STEEL 1	0.0640		0.0640	0.0640	_		-				v 0.0640	0.0640
			0.0640	2	2	£ 2	!	ALUM I	0.0600	0.0600	0.0600	0.0600	0.0750	0.0750	0.0750	0.0750	0.1050	0.1050	0.1050	0.1050
2	24	∞		10	0.0600	13	24	STEEL I	0.0640	0.0640	0.0640	0.0640	_	0.0640	0.0640	0.0640	0.0640	0.0640	0.7900	0.7900
24	78	8	0.0640			o ;		CONCRETE		=	2 2	> >	_	-	-	-	+	$\overline{}$	001.0	
		Ğ	0.0640	0	0.0750		30	STEEL 1	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0790	0.0790	0.1090	0.1090
30	35	2 4	<u> </u>	°	0.0750	. 6		CONCRETE			V 0640	> 00.00		+-		-		—	> 000	0.1380
	42	0.0	0.0640			7	36	STEEL 2		-	-	-		-	_	$\overline{}$	-	_	0.1090	0.1090
36	!!!		'	-	0.1050	2		ALUM 1	0.0750	0.0600	0.0600	0.0600	0.0750	0.0750	0.1350	0.1350	0.1350	0.1350		
	0		0.0460	0.0/90		2 2		CONCRETE STEEL 1		-	0.0640	0.0640		-	_	_	_	_	v 0.1380	0.1380
45	49	£.		ļ°	0.1050	7	45	STEEL 2		0.0640	0.0640	0.0640	0.0640	0.0640	0.0640	0.0790	0.1090	0.1090	0.1090	0.1380
	46	36 0.0	0.0790 0.	0.0790		12		ALUM 2	0.0600	0.0600	0.0600	0.0750	-	+	0.1050	0.1050	0.1350	0.1350		
	57	38	0.1090					CONCRETE STEEL 1		_	0.0640	0.0640	0.0640				_		0.1380	0.1680
84	57	4	Ö	0.0790	0.1350	7 21	84	STEEL 2	0.0640		0.0640	0.0640		0.0640	0.0640	0.0790	0.1090	0.1090	0.1380	0.1380
	64		0.1090	H	\prod			ALUM 2	0.0600	-	0.0600	-			0.1050	0.1350	0.1350	0.1640	0.1640	
54	5	2 :		-	0.1350	7		CONCRETE STEEL 1			VI 0.0790	0.0790	0.0790	-	_	-	-	-	V 0.1680	
	8		0.1380	0.0790		7	54	STEEL 2		0.0640		+		-	0.0790	0.1090	0.1090	0.1380	0.1380	0.1680
09	۲	47		°	0.1640			ALUM 1	0.1050	0.0600	0.0600	0.0750	0.1640	0.1640	0.1350	0.1350	0.1640	0.1640		
	99 1		_	0.0790		12		CONCRETE STEEL 1		≡ 000	> 5	> 000		-	\vdash	\vdash	\vdash	> 2	>	
99	5, 5,	25 25	0.1680	0.0790	\dagger	, 15	09	STEEL 2		0.0640	0.0640	0.0640	_	$\overline{}$	0.0790	0.1090	0.1380	0.1380	0.1680	0.1680
72	83	Ħ	0.1680	\prod		₈₀		ALUM 1	0.0600	0.0600	0.0750	0.1640	0.1640	0.1640	0.1350	0.1640	0.1640			
. 82	18 78	59	o c	0.0790	\dagger	t 15 4		CONCRETE STEEL 1			> 130	> 1	-	+	+	+	+ +	> 9		
2 48	95	67	5 0	0.1090		12	99	STEEL 2	0.0640	0.0640	0.0640	0.0640	0.0640	0.0790	0.1090	0.1090	0.1380	0.1680	0.1680	
06	103	۲	Ö	0.1090		=		ALUM 2			0.1640	0.1640	_	0.1350	0.1640	0.1640	-			
		TAE	FABLE NO.3	FORMA	TION ONLY)	۶		CONCRETE		-	2	-	-	+	-	-	>	>		
			COR. METAL THICKNESS		EQUIVALENT GAUGE	ENT	72	STEEL 1 STEEL 2		_	0.0640	0.0640	0.0790	0.1380	0.1380	0.1380	0.1680	0.1680		
				0.0640	92 ;			ALUM 1		-	0.1640	-	-	-	-	-				
		STE	STEEL 0	0601.0	12			ALUM 2 CONCRETE			0.1050 VI	0.1050 >			0.1640	0.1640	>			
			ا ا ا	1680	φ 2		78	STEEL 1	0.1680		0.1680	0.1680	-	0.1680	\vdash	0.1680	000	00		
			<u>' ° </u>	0090	9 9			ALUM 2		0.0750	0.1050	-	0.1350	$\overline{}$	0.1640	+	8	8		
		ALUMINUM		0.0750	4 2	\top		CONCRETE STEEL 1		0.1680		-	_	-	_	0.1680	>			
				0.1350	6 0		84	STEEL 2	0.0640	0.0640	0.0640	++	0.0790	0.1090	0.1090	0.1380	0.1680	\prod		
_		╛	_	7.1640	x	7		ALUM 2 CONCRETE	0.1050	0.1050	0.1050	0.1350		_	0.1640					
	A	-	1. STEE CORF	STEEL 1 OR ALUM 1 DENOTES CORRUGATION PROFILE 2 2/3"	LUM 1 D. PROFILE	ENOTES 2 2/3" X 1/2"	06	STEEL 2 ALUM 2	0.0640	0.0640	0.0640	0.0790	0.1090	0.1090	0.1380	0.1380	0.1680			
			2. STEE	L 2 OR A	LUM 2 D	ENOTES	8	CONCRETE	≡ 5	= 0	0000	0000	-	+	1 6	000				
<i>3</i> to	Ή	THE	× COR	RUGATION FOR STE	Profile El Pipe	corrugation profile 3" x 1" (or 5" x 1" for steel pipe only)	96	SIEEL 2 ALUM 2	0.0790	0.0790	0.0/90	0.0790	0.1090	_	_	0.1680				
	AR ORGIA	CITY	3. MININ HS	MUM COVE	:R VALUE OAD. MIN	MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER	102	CONCRETE STEEL 2	0.0790	0.0790	0.0790	0.1090	0.1090	0.1380	0.1380	0.1680				
	ΕŢ)* 	NEEC MAY	DED FOR (BE GREA	CONSTRUCTER AND	CTION VEHICLES IS THE		ALUM 2		0.1640	0.1640			\prod						
	TA			ONSIBILIT	Y OF TH	e contractor.	108	STEEL 2	0.1090	0.1090	0.1090	0.1090	0.1090	0.1380	0.1380	0.1680				
	\	-	4. REI	CONDITIONS	STRUCTION NS ON BO	TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF		ALUM 2 CONCRETE		-						\parallel				
			י אבא פי	VE LINE.	M 10 10.	230. IF RICHT OF THE	411	STEEL 2	0.1090	0.1090	0.1090	0.1090	0.1090	0.1380	0.1680	$\dagger \dagger$				
				VY LINE, (RFECT BA	CKFILL A	HEAVY LINE, CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO		ALUM 2 CONCRETE	0.1640	0.1640		\rightarrow	\rightarrow	+		\dagger				
				CIFICATION	S AND T	HIS STANDARD.	120	STEEL 2	0.1090	0.1090	0.1090	0.1090	0.1380	0.1380	0.1680					
	PIPE		6. CORF	e value: Rugated Ai Rib Pii	S FOR AL PIPE (OR PF) ARF	TABLE VALUES FOR ALUMINUM CORRUGATED PIPE (OR ALUMINUM SPIRAL RIR PIPF) ARF COMPLITED RASED	IMPERFE FOR CO	CT BACKFILL	IS NOT	REQUIRED THE LEFT		FOR CONI RIGHT OF	FOR CONDITIONS TO THE RIGHT OF THE HEAVY LINE	O THE VY LINE	1					
	CL		UPO MININ	N ALCLAD AUM YIELD	ALLOY .	3004-H34 HAVING		HEAVY LINE	: USE NO	DRMAL BA	;	CLASS V REQUIRES BACKFILL	CONCRETI IMPERFE ACCORDIN	E PIPE ST 1G TO						
/01,	JLVI		<u> </u>	IF ALUMIR VISHED AS	3004-F	. IS OTHERWISE 132 (fy=20,000						DETAIL "/ STD. 230	۱" OR "B"	S O						
/201 2 3	∃RT		2 五 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 3	, IHE INE HTS SHAL	IL BE AD	ALLUWABLE FILL JUSTED AS														

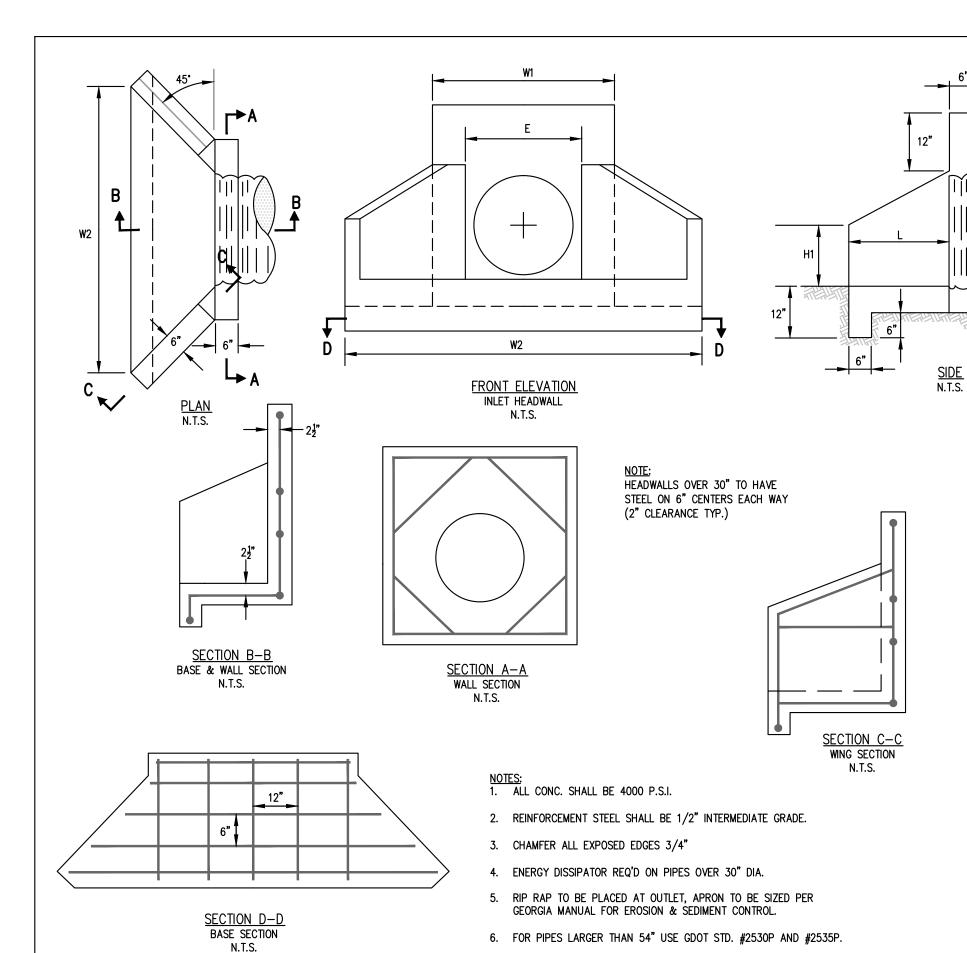
A. ALL MINIMUM COVER SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)

B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET) MINIMUM CA HS-20 LIV NEEDED FO MAY BE GF RESPONSIB TRENCH CO FOR CONDI HEAVE LIN FOR CONDI HEAVY LIN IMPERFECT SPECIFICAT ŗ. THE CITY ON **ALPHARETTA** PIPE CULVERT DATA GEORGIA 08/01/2015 STD. 231

BY

REVISION

DATE



7. ALL OPEN DRAINAGE SWALES MUST BE DRESSED PER GEORGIA

MANUAL FOR EROSION & SEDIMENT CONTROL.

OUTLET HEADWALL NOTES: D = INSIDE DIAMETER OF PIPE

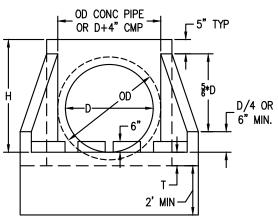
OD = OUTSIDE DIAMETER OF PIPE H = D + 10° MIN FOR CMP

H = D + PIPE WALL THICKNESS + 8" FOR CONC PIPE (13/12*D + 9" TYP)

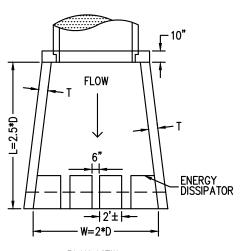
-SOIL TO BE COMPACTED TO 95% STANDARD DENSITY

H2

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



FRONT ELEVATION N.T.S.



PLAN VIEW N.T.S.

OUTLET HEADWALL N.T.S.

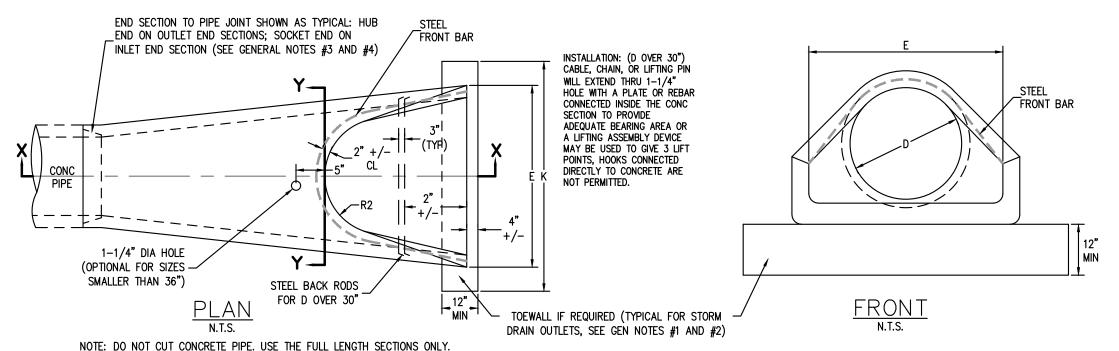
	INL	ET HEADW	ALL DIM	ENSIONS	FOR ME	TAL PIPE	*	
INSIDE DIA. OF PIPE	W1	W2	H1	H2	L	E	WT.	SQ. FT. IN BASE AREA
18"*	3'-2"	4'-3"	1'-3"	3'-2"	1'-3"	1'-9"	1,550	7.34
21", 24"	3'-8"	5'-3"	1'-9"	3'-8"	1'-6"	2'-3"	2,100	9.90
30"	4'-2"	6'-5"	2'-0"	4'-2"	1'-10"	2'-9"	2,850	13.50
36"	4'-8"	7'-7"	2'-4"	4'-8"	2'-2"	3'-3"	3,700	17.65
42", 48"	5'-8"	10'-1"	3'-3"	5'-8"	2'-11"	4'-3"	5,600	28.60
54"	6'-8"	11'-11"	3-8"	6'-8"	3'-4"	5'-3"	7,500	35.60

NOTE: USE NEXT LARGER SIZE FOR CONCRETE PIPE

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	GEORGIA		
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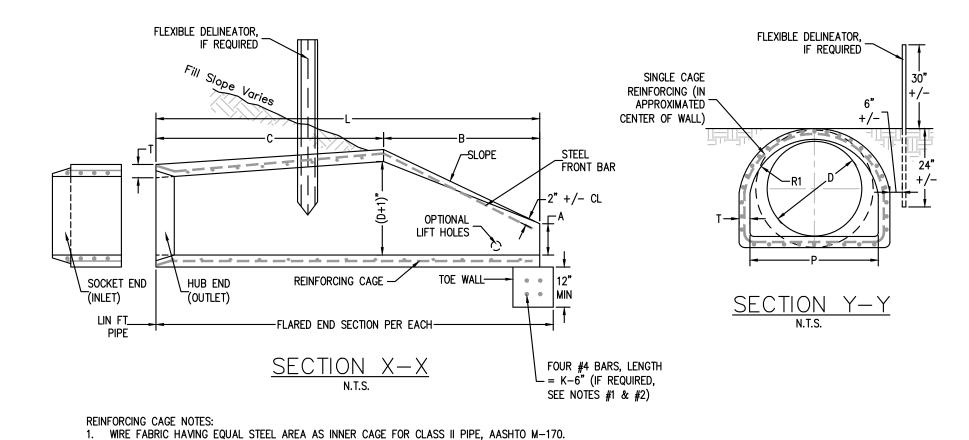
PRECAST CONCRETE HEADWALL SYSTEM

08/01/2015



GENERAL NOTES:

- 1. TOEWALLS ARE FOR OUTLETS OF STORM DRAINS, EXCEPT WHERE CONCRETE DITCH PAVING OR OTHER EROSION PROTECTION IS PROVIDED OR WHERE THE OUTLET VELOCITY IS LESS THAN 8FT/SEC. TOEWALLS ARE NOT REQUIRED FOR SIDE DRAINS, SLOPE DRAINS, OR INLETS OF STORM DRAINS. THIS CRITERIA MAY BE VARIED WHERE SPECIFIED BY THE DESIGNER.
- 2. TOEWALL DIMENSIONS ARE NOMINAL. TOEWALLS CONSTRUCTED WITH ALTERNATE MATERIALS TO HAVE APPROXIMATELY THE SAME DIMENSIONS AS INDICATED FOR RIPRAP. TOEWALLS CONSTRUCTED WITH CONCRETE MAY BE TRENCH FORMED. PLACEMENT OF RIPRAP MAY DIFFER FROM DETAILS SHOWN IF APPROVED BY ENGINEER OF RECORD.
- 3. CONTRACTOR WILL INFORM PRODUCER IF CONCRETE FLARED END SECTION IS FOR INLET OR FOR OUTLET END. SOCKET (TONGUE OR SPIGOT) END IS REQUIRED FOR INLETS. HUB (GROOVE OR BELL) END IS REQUIRED FOR OUTLETS. SOCKET TO SOCKET OR HUB TO HUB JOINT WILL NOT BE ACCEPTED UNLESS A REINFORCED CONCRETE COLLAR IS BUILT AROUND THE JOINT. FLARED END SECTIONS SHALL BE JOINTED TO PIPE WITH ALL SPACE IN THE JOINT FILLED WITH EITHER BITUMINOUS PLASTIC CEMENT OR PREFORMED PLASTIC GASKET.
- 4. WALL THICKNESS (T) IS SHOWN AS NOMINAL AND MAY BE INCREASED AT PRODUCER'S OPTION FOR DESIRED JOINT DESIGN OR TO ALLOW A FLAT OUTSIDE BOTTOM ON THE FLARE WITH THE INSIDE DIMENSIONS OF FLARE RETAINED AS SHOWN. (T=PIPE WALL THICKNESS (0.0833D+1" TYPICAL)).
- CENTERLINE OF FLARED END SECTION WILL ALIGN WITH CENTERLINE OF PIPE. IF PIPE IS SKEWED, THE EMBANKMENT SLOPE WILL BE WARPED TO CONFORM WITH END SECTION.



WARP SLOPE TO CONFORM WITH PIPE LENGTH AND END SECTION.

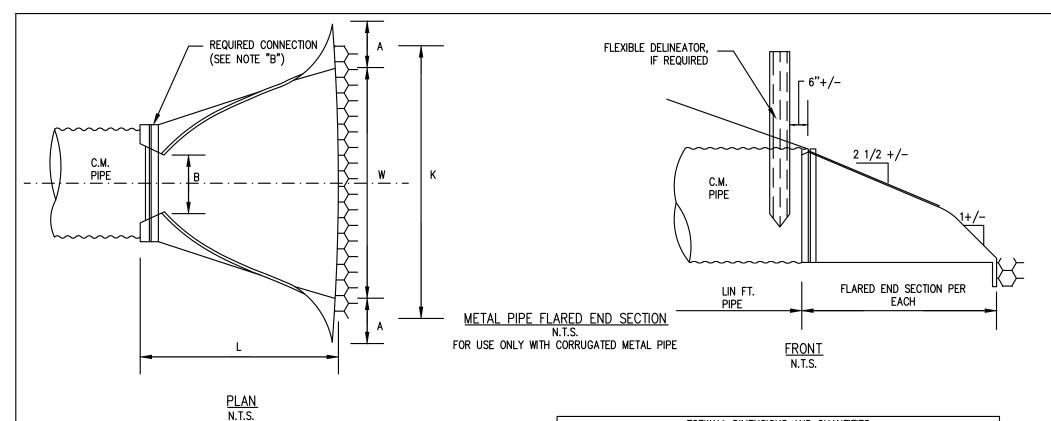
2. ALTERNATE: #3 BARS SPACED 12"+ LONGITUDINALLY WITH #2 BARS TRANSVERSELY AT 6" O.C. MAX SPACING, SPOT WELDED OR TIED TO FROM CAGE. (BACK RODS MAY BE OMITTED.)

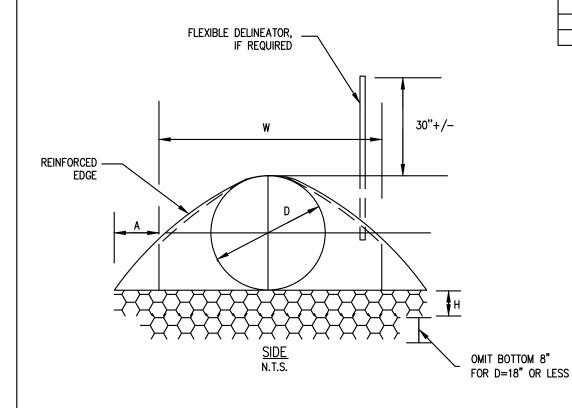
OUTLET DIMENSIONS AND REINFORCING FOR CONCRETE PLARED END SECTION (+/- 1" **TOEWALL** TOLERANCE) (IF REQ'D) K=E+2' CU YDS. FRONT BAR BACK RODS C* L* 12" 1 - #3 x 5' 4" NOT REQD. 2.2:1 4" 2' - 0" 4' - 1" 6' - 1" 2' - 0" 1' - 8" 0' - 10" 0' - 9" 4' - 0" 0.15 15" | 1 - $\#3 \times 6'$ 0" | NOT REQD. | 2.2:1 | 6" | 2' - 3" | 3' - 10" | 6' - 1" | 2' - 6" | 2' - 0" | 1' - 0" | 0' - 11" | 4' - 6" | 0.17 18" 1 - \$3 x 7" 2" NOT REQD. 2.2:1 9" 2' - 3" 3' - 10" 6' - 1" 3' - 0" 2' - 5" 1' - 4" 1' - 0" 5' - 0" 0.19 24" 1 - \$3 x 9' 10" NOT REQD. 2.4:1 10" 3' - 8" 2' - 6" 6' - 2" 4' - 0" 2' - 9" 1' - 5" 1' - 2" 6' - 0" 0.22 30" 1 - \$4 x 11' 8" NOT REQD. 2.4:1 12" 4' - 6" 1' - 8" 6' - 2" 5' - 0" 3' - 1" 1' - 6" 1' - 3" 7' - 0" 0.26 36" 1 - #4 x 13' 10" 2 - #4 x 6' 3" 2.4:1 15" 5' - 3" 2' - 11" 8' - 2" 6' - 0" 4' - 0" 2' - 0" 1' - 8" 8' - 0" 0.30 42" 1 - #4 x 13' 10" 2 - #4 x 7' 4" 2.4:1 21" 5' - 3" 2' - 11" 8' - 2" 6' - 6" 4' - 6" 2' - 4" 1' - 10" 8' - 6" 0.32 TOEWALL DIMENSIONS AND QUANTITIES ALTERNATE MATERIALS AND QUANTITIES CONCRETE (CL A OR B) OR STONE GROUT RIPRAP OR STONI DUMP RIPRAP SAND CEMENT BAG RIPRAP 8" K D THICK NO. BAGS SQ. YARDS THICKNESS SQ. YDS. CU. FT. CU. YDS. 18" 8" 0.667 0.667 0.148 24" 16" 9' 1.500 10 0.370 16" 0.833 30" 16" 11' 1.833 12 0.444 1.000 2.167 1.166 36" 16" 13' 16 0.518 16" 16" 2.500 1.333 15' 15 0.592

ALPHARETTA GEORGIA BY REVISION DATE

CONCRETE PIPE FLARED END SECTION

08/01/2015





TOEWALL DIMENSIONS AND QUANTITIES										
		J K		ALTERNATE MATERIALS AND QUANTITIES						
D	J		SAND CEMENT BAG RIPRAP 8" THICK		CONCRETE (CL A OR B) OR MORTAR RUBBLE MASONRY		STONE GROUT RIPRAP OR STONE DUMP RIPRAP			
			NO. BAGS	SQ. YARDS	CU. FT.	CU. YDS.	THICKNESS	SQ. YDS.		
18"	8"	4'	4	0.667	4	0.148	8"	0.667		
24"	16"	9'	9	1.500	10	0.370	16"	0.833		
30"	16"	11'	11	1.833	12	0.444	16"	1.000		
36"	16"	13'	16	2.167	14	0.518	16"	1.166		
42"	16"	15'	15	2.500	16	0.592	16"	1.333		

	FLARED END SECTION DIMENSIONS								
DIDE CIZE	THICKNESS				H=0.25D				
PIPE SIZE "D"	GALV. STEEL	ALUM.	A=0.40 +/- 1"	B+0.50 +/- 1"	+/- 1" (6" MIN)	L=1.67D +/- 1½"	₩=2.00 +/- 2"		
18"	.064"	.060"	7"	9"	6"	2'-6"	3'-0"		
24"	.064"	.060"	9"	1'-0"	6"	3'-4"	4'-0"		
30"	.079"	.105"	1'-0"	1'-3"	7"	4'-2"	5'-0"		
36"	.079"	.105"	1'-2"	1'-6"	9"	5'-0"	6'-0"		
42"	.109"	.164"	1'-5"	1'-9"	10"	5'-10"	7'-0"		

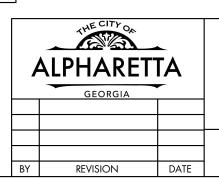
GENERAL NOTES:

- 1. TOEWALLS ARE FOR OUTLETS OF STORM DRAINS, EXCEPT WHERE CONCRETE DITCH PAVING OR OTHER EROSION PROTECTION IS PROVIDED OR WHERE THE OUTLET VELOCITY IS LESS THAN 8FT/SEC. TOEWALLS ARE NOT REQUIRED FOR SIDE DRAINS, SLOPE DRAINS, OR INLETS OF STORM DRAINS. THIS CRITERIA MAY BE VARIED WHERE SPECIFIED BY THE DESIGNER.
- 2. TOEWALL DIMENSIONS ARE NOMINAL. TOEWALLS CONSTRUCTED WITH ALTERNATE MATERIALS TO HAVE APPROXIMATELY THE SAME DIMENSIONS AS INDICATED FOR RIPRAP. TOEWALLS CONSTRUCTED WITH CONCRETE MAY BE TRENCH FORMED. PLACEMENT OF RIPRAP MAY DIFFER FROM DETAILS SHOWN IF APPROVED BY ENGINEER OF RECORD.
- 3. CENTERLINE OF FLARED END SECTION WILL ALIGN WITH CENTERLINE OF PIPE. IF PIPE IS SKEWED, THE EMBANKMENT SLOPE WILL BE WARPED TO CONFORM WITH END SECTION.
- 4. GALVANIZED STEEL FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED STEEL PIPE AND ALUMINUM FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED ALUMINUM PIPE.
- 5. WHERE METAL FLARED END SECTIONS ARE USED WITH MULTIPLE PIPE LINES, THE STANDARD SPACING BETWEEN PIPES (S=D OR 3 FT.) MAY HAVE TO BE INCREASED (S=1.75 TYPICAL) TO PREVENT OVERLAP OF END SECTION WINGTIPS.
- 6. SLOPE DRAIN PIPES WILL REQUIRE AN ELBOW FOR CONNECTION TO THE FLARED END SECTION.

IOTE "B"

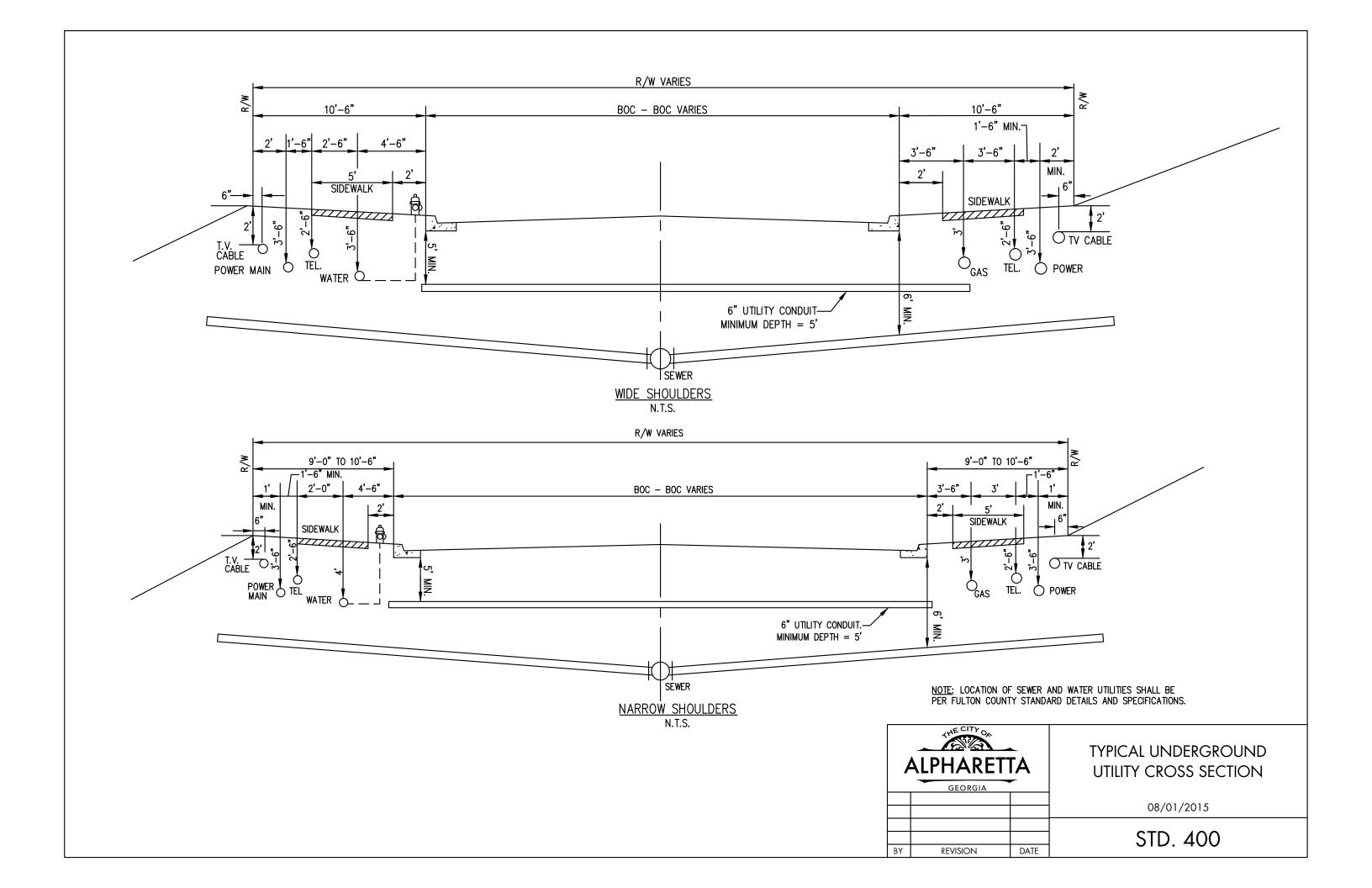
THE CONNECTION BETWEEN METAL FLARED END SECTION AND C.M. PIPE WILL BE ONE OF THE FOLLOWING:

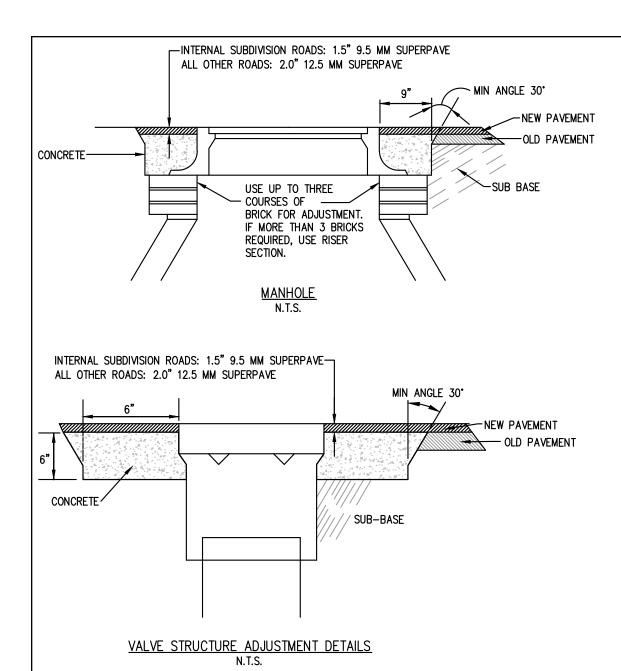
- 1. A STRAP BAND OR THREADED ROD PROVIDED BY THE MANUFACTURER WILL LOCK END SECTION ONTO PIPE. A CORRUGATION AT THE PIPE END WILL BE NON-SPIRALED (PERPENDICULAR TO CENTER OF PIPE)
- 2. A DIMPLE BAND COLLAR WILL BE SHOP BOLTED TO END SECTION, PIPE WILL BE INSERTED INTO THE BAND COLLAR TO MEET THE END SECTION.
- 3. A STUB PIPE WILL BE RIVETED TO THE END SECTION AND THE MAIN PIPE CONNECTED TO THE STUB WITH A NORMAL CONNECTION BAND.
- OTHER TYPE CONNECTION IF RECOMMENDED BY MANUFACTURER AND APPROVED BY THE CITY ENGINEER.



METAL PIPE FLARED END SECTION

08/01/2015

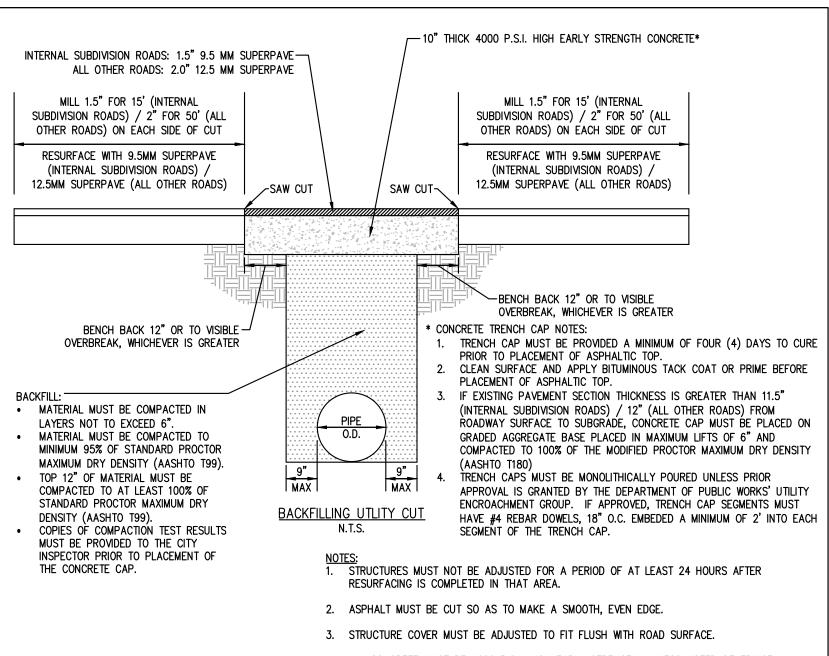




UTILITY CUT RESURFACING:

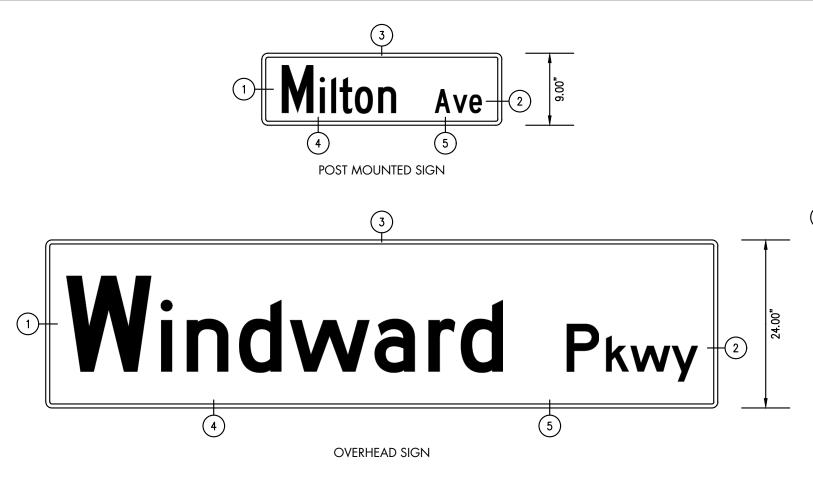
THE FOLLOWING APPLIES TO ALL UTILITY CUTS LARGER THAN 12" x 12".

- 1. THE FULL WIDTH OF ANY TRAVEL LANE IMPACTED BY THE UTILITY CUT MUST BE MILLED AND RESURFACED, AT A MINIMUM, FOR THE LENGTH OF THE CUT PLUS OF 50' ON EACH END OF THE CUT. FOR ROADWAYS INTERNAL TO A SUBDIVISION, THE LENGTH OF THE MILLING AND RESURFACING MUST BE, AT A MINIMUM, THE LENGTH OF THE CUT PLUS A MINIMUM OF 15' ON EACH END OF THE CUT.
- THE REQUIRED DEPTH OF MILLING SHALL BE 2.0" AND RESURFACING MUST BE PERFORMED WITH 12.5 MM SUPERPAVE.
 FOR ROADWAYS INTERNAL TO A SUBDIVISION, THE REQUIRED DEPTH OF MILLING SHALL BE 1.5" AND RESURFACING MUST BE PERFORMED WITH 9.5MM SUPERPAVE.
- 3. ALL PAVEMENT JOINTS MUST BE EITHER PERPENDICULAR TO OR PARALLEL TO TRAVEL LANES.
- 4. ALL PAVEMENT MARKINGS MUST BE REPLACED WITHIN 30 CALENDAR DAYS FROM COMPLETION OF PAVING OPERATIONS. ALL PAVEMENT MARKINGS MUST MEET MUTCD AND GDOT SPECIFICATIONS AND MUST BE THERMO-PLASTIC.
- 5. A REPRESENTATIVE OF THE CITY'S DEPARTMENT OF PUBLIC WORKS MUST INSPECT AND APPROVE THE UTILITY CUT BENCH BACK PRIOR TO PLACEMENT OF THE CONCRETE CAP. INSPECTION MUST BE SCHEDULED A MINIMUM OF THREE (3) BUSINESS DAYS IN ADVANCE.
- CONTACT THE DEPARTMENT OF PUBLIC WORKS' UTILITY ENCROACHMENT PERMIT GROUP AT 678-297-6200 FOR SCHEDULING INSPECTIONS, CONFIRMING RESURFACING REQUIREMENTS, OR WITH ANY QUESTIONS.



- 4. ALL CONCRETE MUST BE 4000 P.S.I. HIGH EARLY STRENGTH, UNLESS NOTED OTHERWISE.
- CONCRETE MUST BE USED TO BACKFILL THE ENTIRE WORKING AREA BETWEEN BACKS OF CURBS.
- 6. FINISHING CONCRETE MUST BE DONE BY USE OF TROWEL OR FLOAT.
- 7. SANITARY SEWER MANHOLES MUST BE VENTED IMMEDIATELY AFTER BEING PAVED OVER. THEREFORE, WHEN MORE THAN ONE LIFT OF ASPHALT IS TO BE PLACED, THE CONTRACTOR MAY ADJUST STRUCTURE PRIOR TO PAVING.
- 8. ALL ROAD CUTS MUST BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS TO SPAN THE CUT WITHOUT NOTICEABLE DEFLECTION. PLATES TO REMAIN IN PLACE UNTIL THE CONCRETE BASE HAS GAINED SUFFICIENT STRENGTH TO WITHSTAND TRAFFIC LOADS (4 DAY MINIMUM).

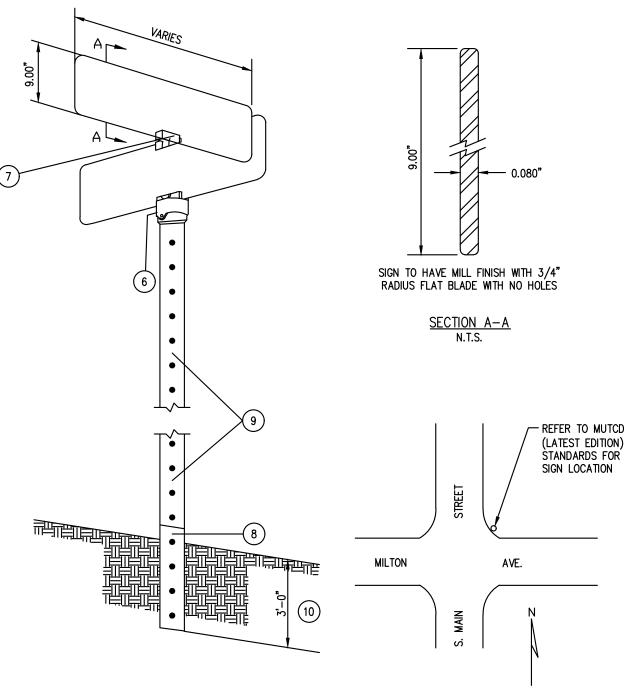
ALPHARETTA GEORGIA		ΙA	UTILITY CUT STRUCTURE ADJUSTMENT
GS	REM. LONGITUDINAL UTILITY CUT NOTES ADD. UTILITY CUT RESURFACING NOTES REV. BACKFILLING UTILITY CUT ACCORDINGLY	04/24/24	08/01/2015
GS	GENERAL REVISION	05/20/24	
			STD. 401
BY	revision	DATE	3.2. 101



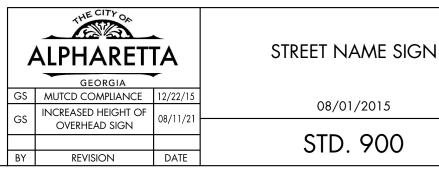
- 1) REFER TO TABLE BELOW FOR PRIMARY SIZING
- (2) REFER TO TABLE BELOW FOR SUFFIX & PREFIX SIZING
- 3 PROVIDE 1/2" WHITE BORDER AROUND EDGE
- (4) STREET NAME SIGN SHALL BE 3M HIGH INTENSITY PRISMATIC (3M 3930) OR EQUAL
- 5 STREET NAME SIGN SHALL HAVE ELECTRO-CUTTABLE (EC FILM) TRANSPARENT GREEN MATERIAL INSTALLED OVER BACKING.
- 6 VULCAN VS-4 U.C. CAP FOR 2" SQUARE POST OR EQUAL
- 7) VULCAN VS-4 CROSS OR EQUAL
- BASE POST SQUARE 2-1/4" X 3', 12 GAUGE (BASE POST SHALL NOT EXTEND MORE THAN 6" ABOVE GRADE)
- (9) SQUARE POST 2" X 10', 12 GAUGE
- (10) BASE POST SHALL BE DRIVEN 3'-0" BELOW FINISHED GRADE.

TVDE OF	TYPE OF CTREET	SPEED LIMIT	PRIMARY LETTER HEIGHT		SUFFIX & PREFIX LETTER HEIGHT			
TYPE OF MOUNTING	OR HIGHWAY		INITIAL UPPER-CASE	LOWER-CASE	INITIAL UPPER-CASE	LOWER-CASE	FONT	SIGN SIZE
OVERHEAD	ALL TYPES	ALL SPEED LIMITS	12 INCHES	9 INCHES	6 INCHES	4.5 INCHES	FHWA SERIES D 2000	24" X VARIES*
POST-MOUNTED	MULTI-LANE	MORE THAN 40 MPH	8 INCHES	6 INCHES	4 INCHES	3 INCHES	FHWA SERIES C 2000	9" X VARIES*
POST-MOUNTED	MULTI-LANE	40 MPH OR LESS	6 INCHES	4.5 INCHES	3 INCHES	2.25 INCHES	FHWA SERIES C 2000	9" X VARIES*
POST-MOUNTED	2-LANE	ALL SPEED LIMITS	6 INCHES	4.5 INCHES	3 INCHES	2.25 INCHES	FHWA SERIES C 2000	9" X VARIES*

*SIGN WIDTH SHALL BE DETERMINED BY THE LENGTH OF SIGN LEGEND.



NOTE:
WHERE APPLICABLE, STREET NAME SIGN SHALL BE INSTALLED IN
CONJUNCTION WITH STOP SIGN. REFER TO MUTCD STANDARDS.



	TYPE I PAVEMENT SECTION: AVERAGE DAILY TRAFFIC (ADT) — 1000 VPD (LOCAL RESIDENTIAL STREET)								
	MATERIAL TYPE	TOTAL THICKNESS (INCHES)	MAX LIFT THICKNESS (INCHES)	NOTES] "				
A	12.5 mm SUPERPAVE	1.5	2.5*	*ALLOW UP TO 4 INCHES THICK FOR DRIVEWAY AND SIDE ROAD TRANSITION	2.				
В	19 mm SUPERPAVE	2.0	3*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING					
С	25 mm SUPERPAVE	_	5*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING					
D	GRADED AGGREGATE BASE	6	6	COMPACTED TO 100 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T180)					
E	UPPER 12 INCHES SOIL SUBGRADE	12	_	COMPACTED TO AT LEAST 100 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (AASHTO T99)] "				

TYPE II PAVEMENT SECTION: AVERAGE DAILY TRAFFIC (ADT) - 5000, 12000 & 16000 VPD (LOCAL RESIDENTIAL, 2 LANE RESIDENTIAL COLLECTOR & 2-3 LANE COLLECTOR STREETS)

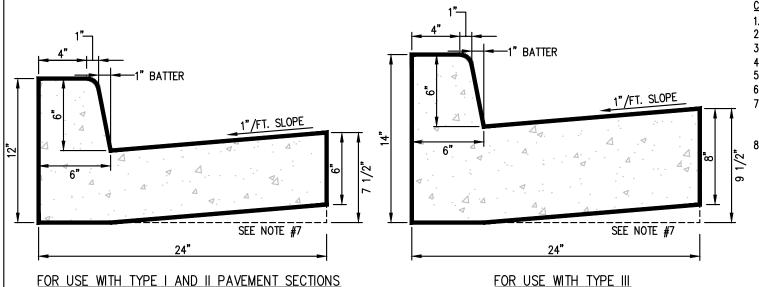
	MATERIAL TYPE	TOTAL THICKNESS (INCHES)	MAX LIFT THICKNESS (INCHES)	NOTES
A	12.5 mm SUPERPAVE	1.5	2.5*	*ALLOW UP TO 4 INCHES THICK FOR DRIVEWAY AND SIDE ROAD TRANSITION
В	19 mm SUPERPAVE	4	3*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING
С	25 mm SUPERPAVE	_	5*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING
D	GRADED AGGREGATE BASE	12	6	COMPACTED TO 100 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T180)
E	UPPER 12 INCHES SOIL SUBGRADE	12	-	COMPACTED TO AT LEAST 100 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (AASHTO T99)

TYPE III PAVEMENT SECTION: AVERAGE DAILY TRAFFIC (ADT) - 18000 & 24000 VPD (4 LANE COLLECTOR & 5 LANE ARTERIAL STREETS)

	MATERIAL TYPE	TOTAL THICKNESS (INCHES)	MAX LIFT THICKNESS (INCHES)	NOTES
A	12.5 mm SUPERPAVE	1.5	2.5*	*ALLOW UP TO 4 INCHES THICK FOR DRIVEWAY AND SIDE ROAD TRANSITION
В	19 mm SUPERPAVE	3	3*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING
С	25 mm SUPERPAVE	5	5*	*ALLOW UP TO 6 INCHES PER LIFT FOR TRENCH WIDENING
D	GRADED AGGREGATE BASE	12	6	COMPACTED TO 100 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T180)
E	UPPER 12 INCHES SOIL SUBGRADE	12	-	COMPACTED TO AT LEAST 100 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (AASHTO T99)

PAVEMENT SECTION

N.T.S.

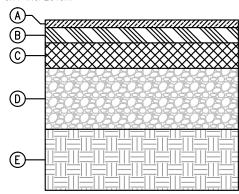


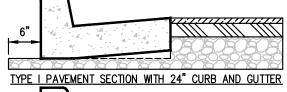
CURB AND GUTTER NOTES:

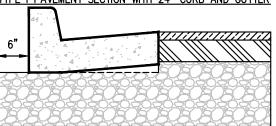
- 1. \cancel{k} " Pre-formed expansion joints required at all structures and radius points.
- 2. 50' MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
- 10' MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS.
- 4. CONCRETE STRENGTH TO BE 3000 P.S.I. WITH A MAXIMUM SLUMP OF 2".
- 5. CONCRETE FINISH SHALL BE SMOOTHED AND EVENED WITH A WOODEN FLOAT.
- 6. G.A.B. SHALL EXTEND A MINIMUM OF 6" BEYOND BACK OF CURB.
 - AT CONTRACTOR'S OPTION, THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT. DURING CONSTRUCTION, THE CONTRACTOR'S MATERIALS TESTING AGENCY WILL BE REQUIRED TO PREPARE TEST CYLINDERS AND PROVIDE THE BREAK RESULTS OF SAID CYLINDERS TO THE CITY INSPECTOR. A MINIMUM OF ONE (1) SET PER POUR PER DAY IS REQUIRED. POURS IN EXCESS OF FIFTY (50) CUBIC YARDS REQUIRE ONE (1) SET PER FIFTY (50) CUBIC YARDS OR FRACTION THEREOF.



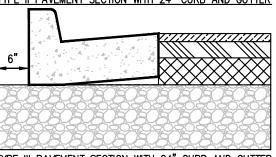
- PROOF-ROLLING OF BOTH THE SUBGRADE AND G.A.B. MUST BE CONDUCTED WITH A GEOTECHNICAL ENGINEER PRESENT. CITY INSPECTOR MUST ALSO BE PRESENT AND SHOULD BE CONTACTED 72 HOURS IN ADVANCE AT 678-297-6200.
- COPIES OF THE GEOTECHNICAL ENGINEER'S REPORT (INCLUDING COMPACTION TEST RESULTS) ARE REQUIRED TO BE PROVIDED TO THE CITY INSPECTOR. ALL REPORTS MUST BEAR THE SEAL AND SIGNATURE OF A GEORGIA REGISTERED PROFESSIONAL ENGINEER. COMPACTION TESTS ARE REQUIRED AT A MINIMUM OF EVERY 50 LINEAR FEET IN STAGGERED LOCATIONS AND AT ALL UTILITY CROSSINGS.
 - CORE SAMPLES ARE REQUIRED AT A MINIMUM OF EVERY 100 LINEAR FEET OF ROADWAY AND AT ALL UTILITY CROSSINGS. ADDITIONAL CORE SAMPLES MAY BE REQUIRED BY THE CITY INSPECTOR BASED ON FIELD CONDITIONS AND OBSERVATIONS. CORE SAMPLE RESULTS (INCLUDING LIFT THICKNESS AND COMPACTION VALUES FOR ASPHALT AND GAB) ARE REQUIRED TO BE PROVIDED TO THE CITY INSPECTOR.



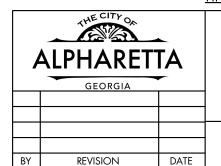




TYPE II PAVEMENT SECTION WITH 24" CURB AND GUTTER

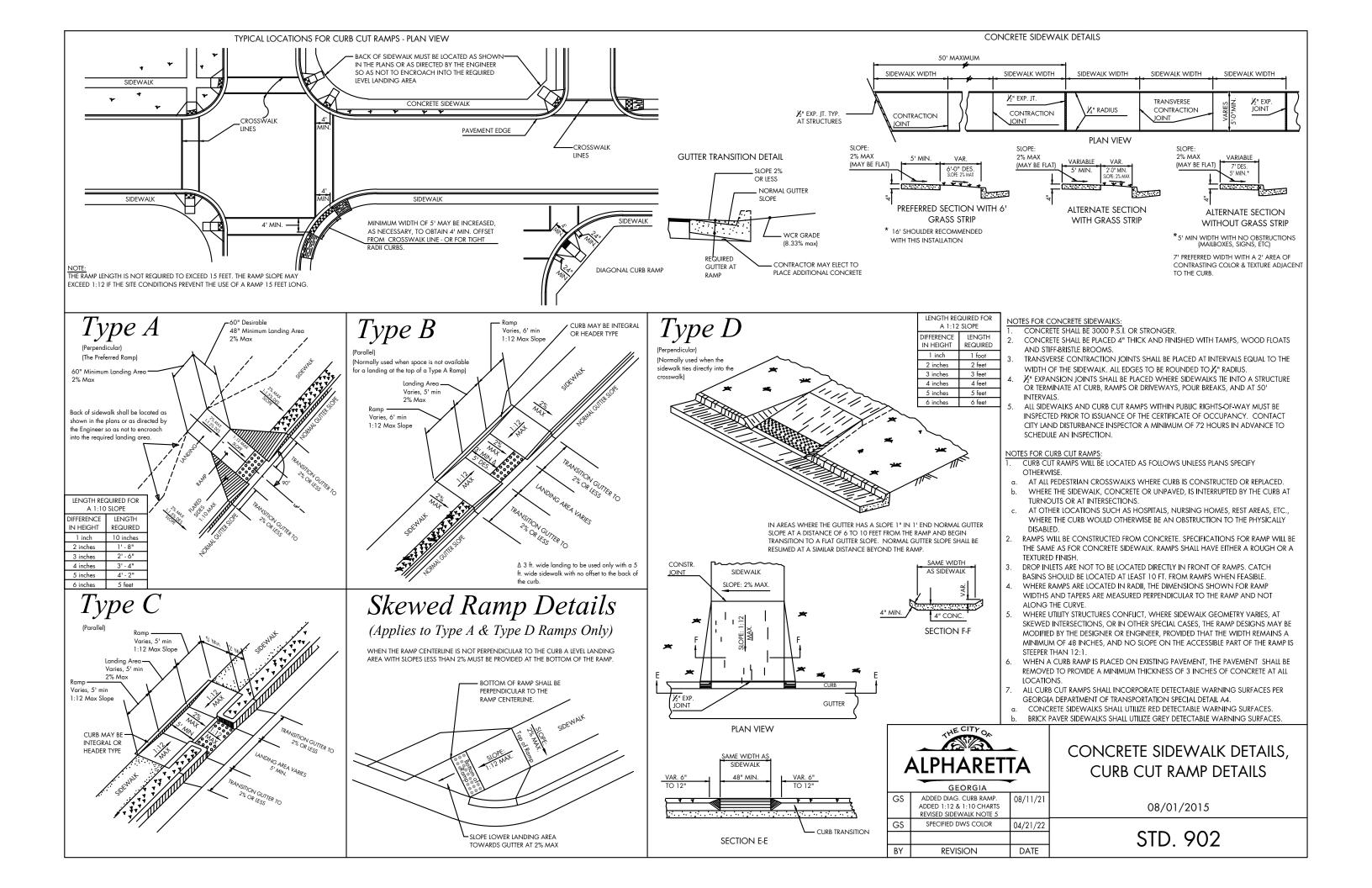


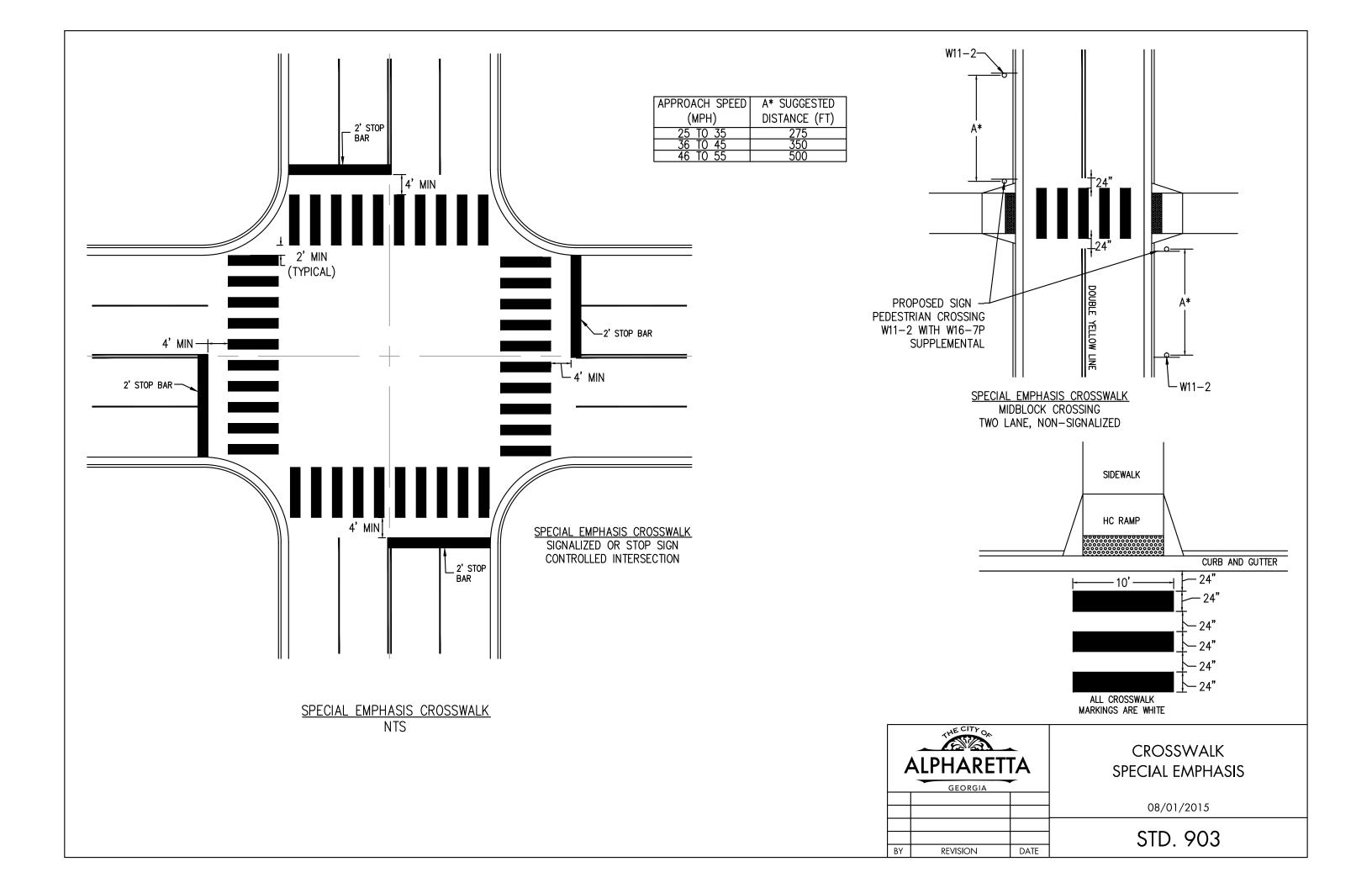
TYPE III PAVEMENT SECTION WITH 24" CURB AND GUTTER

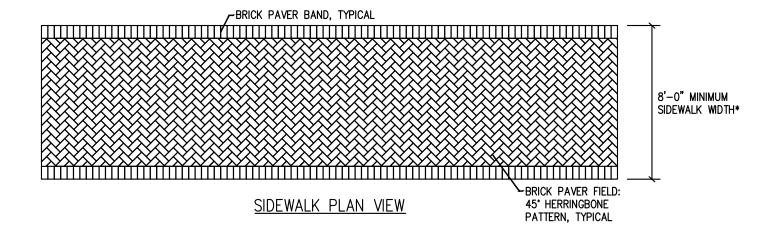


ROADWAY PAVEMENT SPECIFICATIONS, CURB AND GUTTER DETAILS

08/01/2015



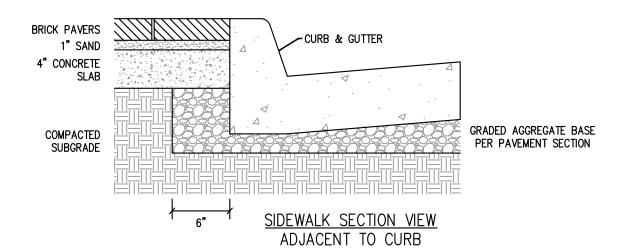


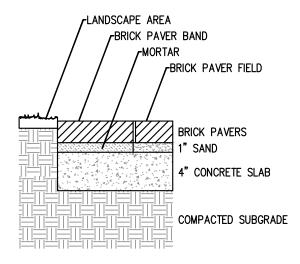


* SIDEWALK WIDTHS LESS THAN 8' REQUIRE APPROVAL BY COMMUNITY DEVELOPMENT DEPARTMENT.

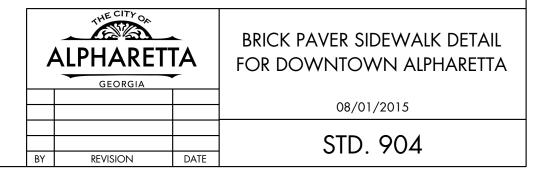
BRICK SIDEWALK NOTES:

- 1. UNIT CLAY PAVER SHALL CONFORM TO ASTM SPECIFICATION STANDARDS C902, CLASS SX, TYPE 1, APPLICATION PX.
- 2. UNITS SHALL BE 4" X 8" X 2-1/4" SIZE HAVING SQUARE EDGES, 10,000 PSI MINIMUM COMPRESSIVE STRENGTH AND BELOW 6% COLD WATER ABSORPTION.
- 3. PAVER COLORS SHALL BE A 60/40 MIX OF 60% PATHWAY FULL RANGE AND 40% PATHWAY COCOA BRICK PAVERS AS MANUFACTURED BY PINE HALL BRICK CO., INC., WINSTON—SALEM, NORTH CAROLINA OR APPROVED EQUALS.
- 4. DETECTABLE WARNING STRIPS SHALL BE 12" X 12" GEORGIA GREY GRANITE TRUNCATED DOME TILES AS MANUFACTURED BY COLD SPRING GRANITE COMPANY, COLD SPRING, MINNESOTA OR APPROVED EQUAL.
- 5. CONCRETE SLAB SHALL BE CONSTRUCTED PER CITY OF ALPHARETTA STANDARD DETAIL 902 CONCRETE SIDEWALK DETAILS
- 6. BRICK PAVER BANDS ADJACENT TO LANDSCAPE AREAS SHALL BE SET IN MORTAR. BRICK PAVER BAND SHALL BE FLUSH WITH ADJACENT BRICK PAVER FIELD.



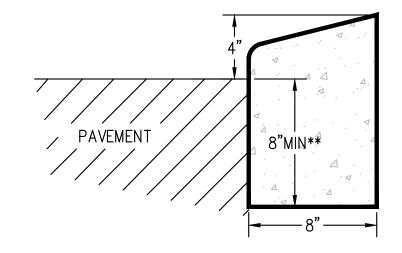


SIDEWALK SECTION VIEW ADJACENT TO LANDSCAPE



SEE NOTE #7

HEADER CURB

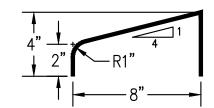


** THE CURB DEPTH MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT SECTION.

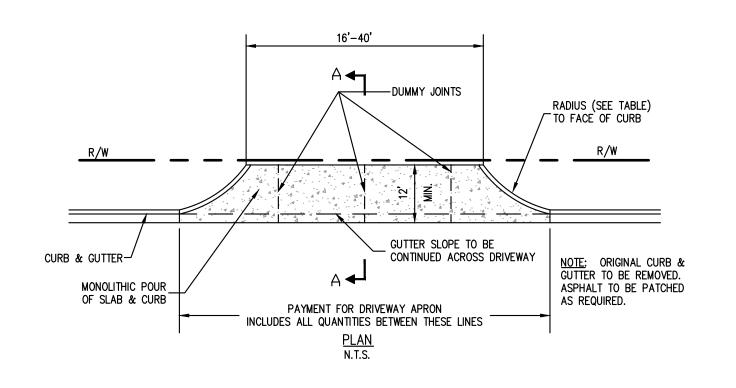
MOUNTABLE CURB NOTES:

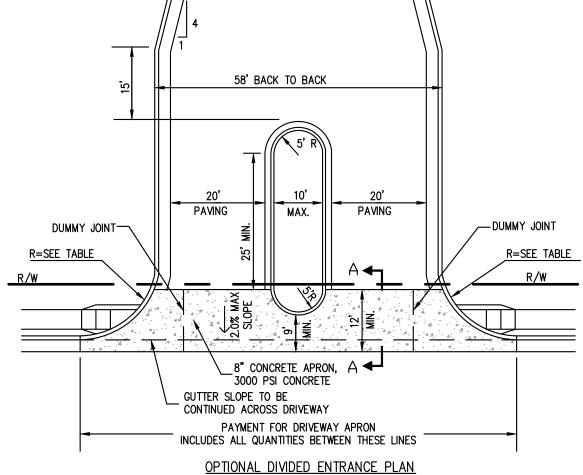
- 1. ½" PRE-FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS.
- 2. 50' MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
- 10' MAXIMUM DISTANCE BETWEEN CONTRACTION JOINTS.
- 4. CONCRETE STRENGTH TO BE 3000 P.S.I. WITH A MAXIMUM SLUMP OF 2".
- 5. CONCRETE FINISH SHALL BE SMOOTHED AND EVENED WITH A WOODEN FLOAT.
- 6. G.A.B. SHALL EXTEND A MINIMUM OF 6" BEYOND BACK OF CURB.
- 7. GUTTER THICKNESS SHALL BE 6" WHEN USED WITH TYPE I OR TYPE II PAVEMENT SECTIONS, PER CITY OF ALPHARETTA STANDARD DETAIL 900. GUTTER THICKNESS SHALL BE 8" WHEN USED WITH TYPE III PAVEMENT SECTION, PER CITY OF ALPHARETTA STANDARD DETAIL 900.
- 8. AT CONTRACTOR'S OPTION, THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 8" AT ANY POINT.
- 9. DURING CONSTRUCTION, THE CONTRACTOR'S MATERIALS TESTING AGENCY WILL BE REQUIRED TO PREPARE TEST CYLINDERS AND PROVIDE THE BREAK RESULTS OF SAID CYLINDERS TO THE CITY INSPECTOR. A MINIMUM OF ONE (1) SET PER POUR PER DAY IS REQUIRED. POURS IN EXCESS OF FIFTY (50) CUBIC YARDS REQUIRE ONE (1) SET PER FIFTY (50) CUBIC YARDS OR FRACTION THEREOF.

CURB FACE DESIGN



	ALPHARETTA GEORGIA			MOUNTABLE CURB DETAILS
				06/24/2020
				STD. 905
B	3Y	REVISION	DATE	

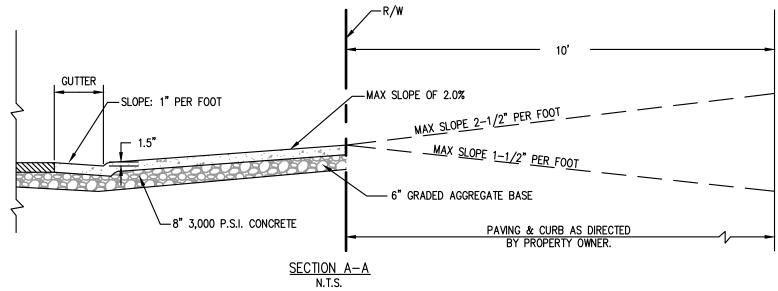




OPTIONAL DIVIDED ENTRANCE PLAN N.T.S.

DRIVEWAY RADII (MIN)

	RIAL & ERCIAL	LIGHT COMMERCIAL		
WIDTH	WIDTH RADIUS		RADIUS	
20' - 40' 25'		20' - 30'	25'	
		30' - 40'	15'	



NOTE: RESIDENTIAL DRIVEWAYS SHALL COMPLY WITH GEORGIA DEPARTMENT OF TRANSPORTATION SPECIAL DETAIL A1.

•	ALPHARET GEORGIA	ĪΑ	DRIVEWAY DETAILS
			08/01/2015
BY	REVISION	DATE	STD. 951