ROADWAY IMPROVEMENTS ALONG BRANHAM AVE

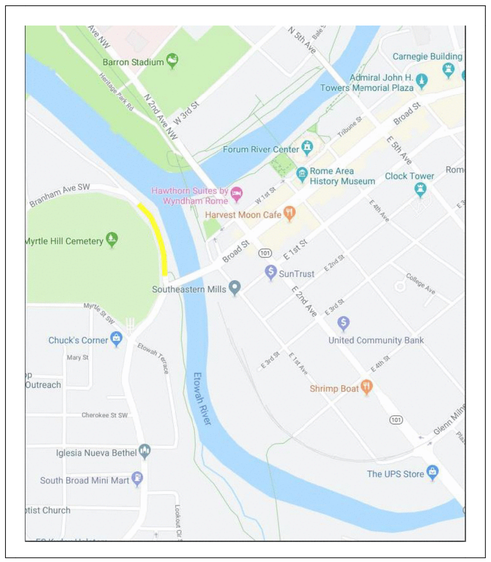
LAND LOT 244, 23RD DISTRICT, 3RD SECTION
2nd WARD, CITY OF ROME, FLOYD COUNTY, GEORGIA
BID No. 031-19

PROPERTY OWNER

CITY OF ROME
P.O. BOX 1433
ROME, GA 30162

ENGINEER

CITY OF ROME ENGINEERING DEPT.
PUBLIC WORKS DIVISION
P.O. BOX 1433
ROME, GEORGIA 30162
ACARROLL@ROMEGA.US



SITE MAP

INDEX

SHEET	TITLE
1	PLAN AND PROFILE
2	CROSS SECTIONS
3	PIPE PROFILES AND DETAILS
4	DETAILS
5	DETAILS
6	DETAILS

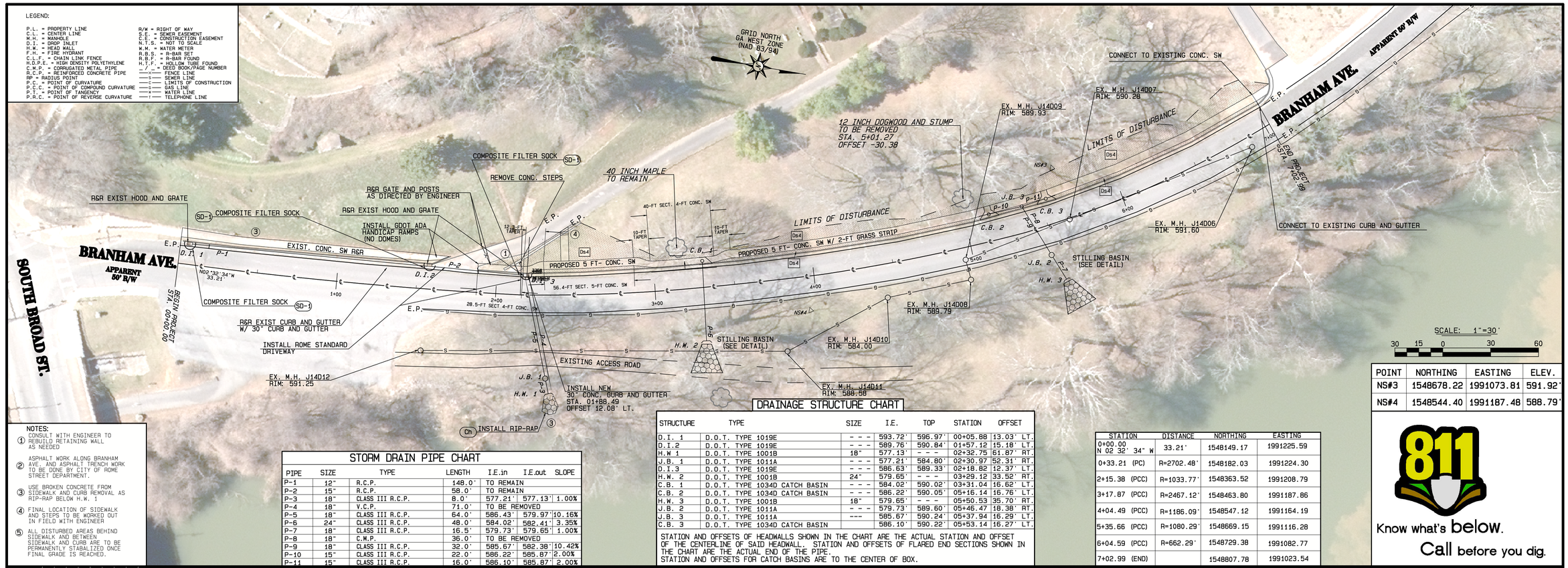
REVISIONS

DATE	DESCRIPTION

AUGUST 2019

LEGEND:

P.L. = PROPERTY LINE	R/W = RIGHT OF WAY
C.L. = CENTER LINE	S.E. = SEWER EASEMENT
M.H. = MANHOLE	C.E. = CONSTRUCTION EASEMENT
D.I. = DROP INLET	N.T.S. = NOT TO SCALE
H.W. = HEAD WALL	W.M. = WATER METER
F.H. = FIRE HYDRANT	R.B.S. = R-BAR SET
C.L.F. = CHAIN LINK FENCE	R.B.F. = R-BAR FOUND
H.D.P.E. = HIGH DENSITY POLYETHYLENE	H.T.F. = HOLLOW TUBE FOUND
C.M.P. = CORRUGATED METAL PIPE	—/—/— = DEED BOOK/PAGE NUMBER
R.C.P. = REINFORCED CONCRETE PIPE	—x— FENCE LINE
RP = RADIUS POINT	—S— SEWER LINE
P.C. = POINT OF CURVATURE	—c— LIMITS OF CONSTRUCTION
P.C.C. = POINT OF COMPOUND CURVATURE	—G— GAS LINE
P.T. = POINT OF TANGENCY	—x— WATER LINE
P.R.C. = POINT OF REVERSE CURVATURE	—T— TELEPHONE LINE



NOTES:

1. CONSULT WITH ENGINEER TO REBUILD RETAINING WALL AS NEEDED
2. ASPHALT WORK ALONG BRANHAM AVE. AND ASPHALT TRENCH WORK TO BE DONE BY CITY OF ROME STREET DEPARTMENT.
3. USE BROKEN CONCRETE FROM SIDEWALK AND CURB REMOVAL AS RIP-RAP BELOW H.W. 1
4. FINAL LOCATION OF SIDEWALK AND STEPS TO BE WORKED OUT IN FIELD WITH ENGINEER
5. ALL DISTURBED AREAS BEHIND SIDEWALK AND BETWEEN SIDEWALK AND CURB ARE TO BE PERMANENTLY STABALIZED ONCE FINAL GRADE IS REACHED.

STORM DRAIN PIPE CHART

PIPE	SIZE	TYPE	LENGTH	I.E.in	I.E.out	SLOPE
P-1	12"	R.C.P.	148.0'	TO REMAIN		
P-2	15"	R.C.P.	58.0'	TO REMAIN		
P-3	18"	CLASS III R.C.P.	8.0'	577.21'	577.13'	1.00%
P-4	18"	V.C.P.	71.0'	TO BE REMOVED		
P-5	18"	CLASS III R.C.P.	64.0'	586.43'	579.97'	10.16%
P-6	24"	CLASS III R.C.P.	48.0'	584.02'	582.41'	3.35%
P-7	18"	CLASS III R.C.P.	16.5'	579.73'	579.65'	1.00%
P-8	18"	C.M.P.	36.0'	TO BE REMOVED		
P-9	18"	CLASS III R.C.P.	32.0'	585.67'	582.38'	10.42%
P-10	15"	CLASS III R.C.P.	22.0'	586.22'	585.87'	2.00%
P-11	15"	CLASS III R.C.P.	16.0'	586.10'	585.87'	2.00%

DRAINAGE STRUCTURE CHART

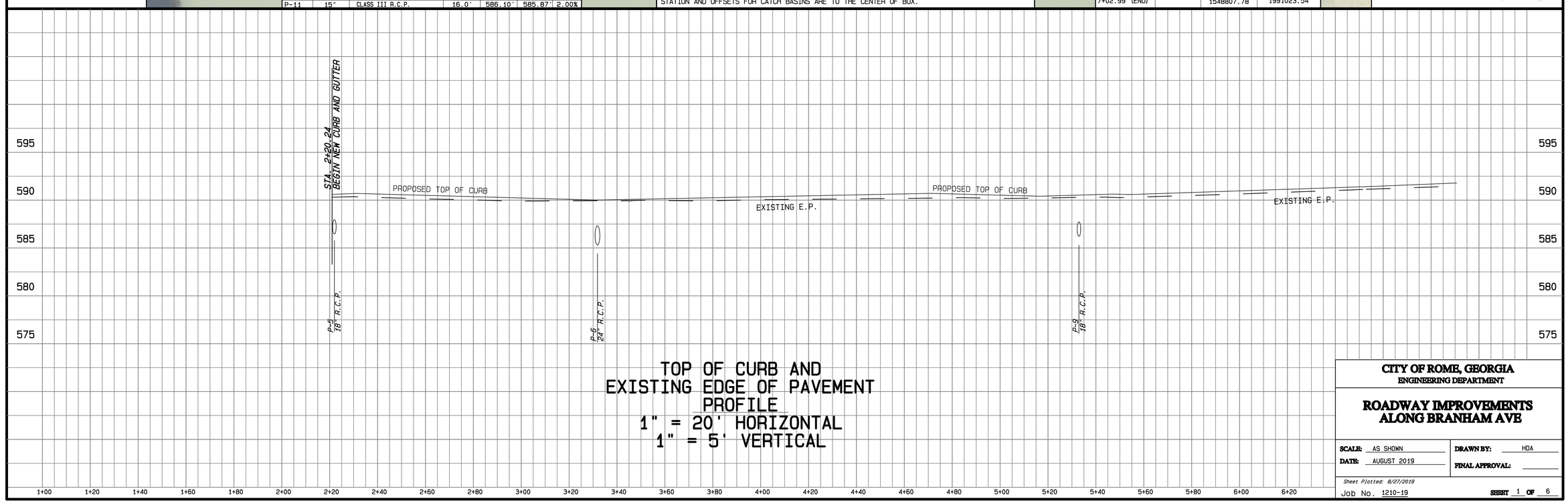
STRUCTURE	TYPE	SIZE	I.E.	TOP	STATION	OFFSET
D.I. 1	D.O.T. TYPE 1019E	- - -	593.72'	596.97'	00+05.88	13.03' LT.
D.I.2	D.O.T. TYPE 1019E	- - -	589.76'	590.84'	01+57.12	15.18' LT.
H.W 1	D.O.T. TYPE 1001B	18"	577.13'	- - -	02+32.75	61.87' RT.
J.B. 1	D.O.T. TYPE 1011A	- - -	577.21'	584.80'	02+30.97	52.31' RT.
D.I.3	D.O.T. TYPE 1019E	- - -	586.63'	589.33'	02+18.82	12.37' LT.
H.W. 2	D.O.T. TYPE 1001B	24"	579.65'	- - -	03+29.12	33.52' RT.
C.B. 1	D.O.T. TYPE 1034D CATCH BASIN	- - -	584.02'	590.02'	03+31.04	16.62' LT.
C.B. 2	D.O.T. TYPE 1034D CATCH BASIN	- - -	586.22'	590.05'	05+16.14	16.76' LT.
H.W. 3	D.O.T. TYPE 1001B	18"	579.65'	- - -	05+50.53	35.70' RT.
J.B. 2	D.O.T. TYPE 1011A	- - -	579.73'	589.60'	05+46.47	18.38' RT.
J.B. 3	D.O.T. TYPE 1011A	---	585.67'	590.24'	05+37.94	16.29' LT.
C.B. 3	D.O.T. TYPE 1034D CATCH BASIN		586.10'	590.22'	05+53.14	16.27' LT.

STATION AND OFFSETS OF HEADWALLS SHOWN IN THE CHART ARE THE ACTUAL STATION AND OFFSET OF THE CENTERLINE OF SAID HEADWALL. STATION AND OFFSETS OF FLARED END SECTIONS SHOWN IN THE CHART ARE THE ACTUAL END OF THE PIPE.
STATION AND OFFSETS FOR CATCH BASINS ARE TO THE CENTER OF BOX.

STATION	DISTANCE	NORTHING	EASTING
0+00.00 N 02 32' 34" W	33.21'	1548149.17	1991225.59
0+33.21 (PC)	R=2702.48'	1548182.03	1991224.30
2+15.38 (PCC)	R=1033.77'	1548363.52	1991208.79
3+17.87 (PCC)	R=2467.12'	1548463.80	1991187.86
4+04.49 (PCC)	R=1186.09'	1548547.12	1991164.19
5+35.66 (PCC)	R=1080.29'	1548669.15	1991116.28
6+04.59 (PCC)	R=662.29'	1548729.38	1991082.77
7+02.99 (END)		1548807.78	1991023.54

POINT	NORTHING	EASTING	ELEV.
NS#3	1548678.22	1991073.81	591.92'
NS#4	1548544.40	1991187.48	588.79'

811
Know what's below.
Call before you dig.



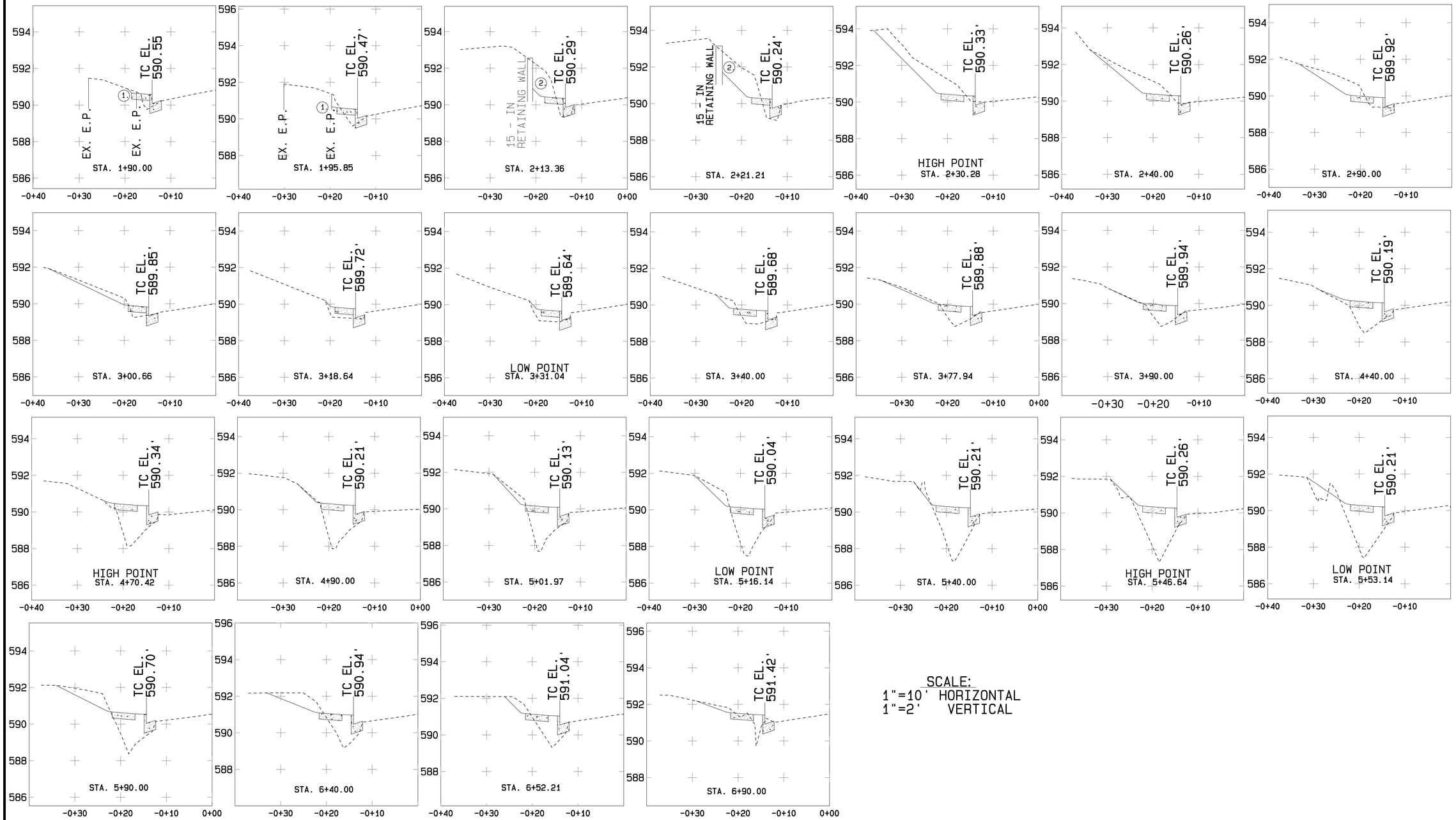
TOP OF CURB AND
EXISTING EDGE OF PAVEMENT
PROFILE
1" = 20' HORIZONTAL
1" = 5' VERTICAL

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

ROADWAY IMPROVEMENTS ALONG BRANHAM AVE

SCALE: AS SHOWN
DATE: AUGUST 2019
DRAWN BY: HDA
FINAL APPROVAL:

Sheet Plotted: 8/27/2019
Job No. 1210-19
SHEET 1 OF 6



SCALE:
1"=10' HORIZONTAL
1"=2' VERTICAL

NOTES:

1. CONSULT WITH ENGINEER CONCERNING REMOVAL OF ASPHALT DRIVE.
2. CONSULT WITH ENIGINEER TO REBUILD RETAINING WALL AS NEEDED.

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

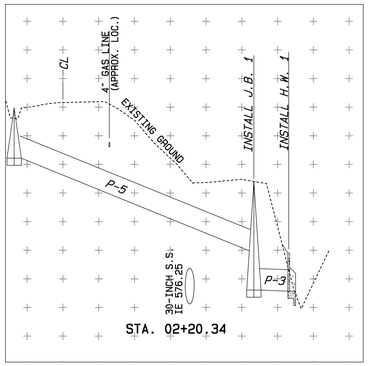
ROADWAY IMPROVEMENTS ALONG BRANHAM AVE CROSS SECTIONS

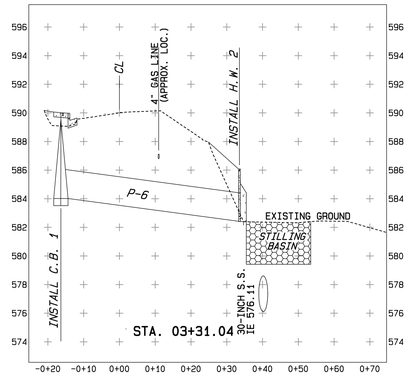
SCALE: AS SHOWN	DRAWN BY: HDA
DATE: AUGUST 2019	FINAL APPROVAL:

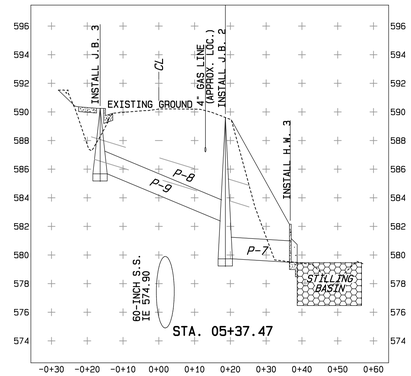
Sheet Plotted: 8/27/2019

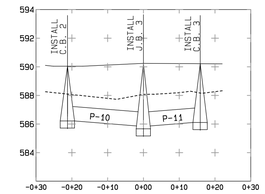
Job No. 1210-19

SHEET 2 OF 6







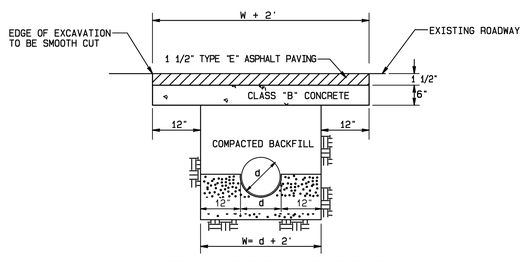


LEGEND

- EXISTING GROUND
- CUT
- FILL
- GRAVEL

SCALE:
1"=20' HORIZONTAL
1"=4' VERTICAL

NOTE:
GAS LINE LOCATION IS APPROXIMATE LOCATION. CONTRACTOR TO VERIFY LOCATION PRIOR TO EXCAVATION AND ADJUST STORM GRADE IN ACCORDANCE WITH ENGINEER.



NOTE: ALL TRENCHES SHALL BE BACKFILLED AND RETURNED TO 95% COMPACTION ON THE SAME DAY THE TRENCH IS OPENED.

REPAIR OF ROADWAY CUT DETAIL

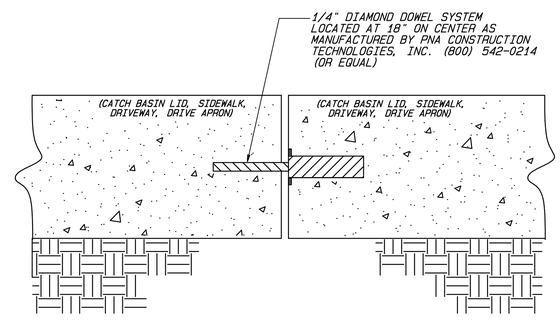
NOT TO SCALE

REVISIONS		
NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

ROME STANDARD
REPAIR OF ROADWAY CUT

SCALE: AS SHOWN | DRAWN BY: BRJ
DATE: MARCH 1999 | FINAL APPROVAL:
EFFECTIVE DATE: 11-19-02 | SHEET 8 OF 10



DIAMOND DOWEL TRANSFER SYSTEM

NTS

NOTE: 1\4-inch Diamond Dowel Load Transfer System Components as manufactured by PNA Construction Technologies, Inc. (800-542-0214) shall be installed at ALL COLD joints as specified by the manufactures recommendations. No Additional Payment will be made for the installation of said Transfer System, but shall be included as part of the unit price for the item to which it is associated.

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

DIAMOND DOWEL LOAD TRANSFER SYSTEM

REVISIONS

SCALE: NONE | DRAWN BY: AWC
DATE: 05-17-2016 | FINAL APPROVAL: AWC
EFFECTIVE 05-17-2016 | SHEET 9 OF

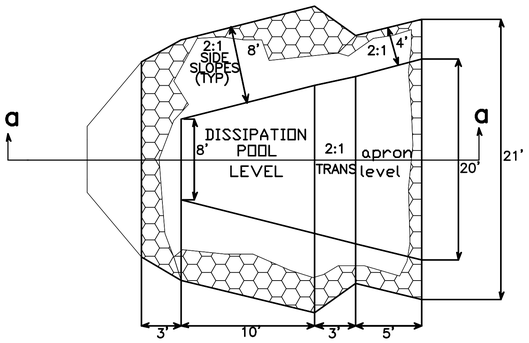
CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

ROADWAY IMPROVEMENTS ALONG BRANHAM AVE PIPE PROFILES & DETAILS

SCALE: AS SHOWN | DRAWN BY: HDA
DATE: AUGUST 2019 | FINAL APPROVAL:

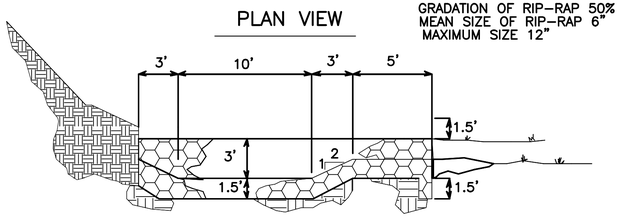
Sheet Plotted: 8/29/2019

Job No. 1210-19 | SHEET 3 OF 6



PLAN VIEW

GRADATION OF RIP-RAP 50%
MEAN SIZE OF RIP-RAP 6"
MAXIMUM SIZE 12"



SECTION A-A

STILLING BASIN

not to scale

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

STILLING BASIN DETAIL

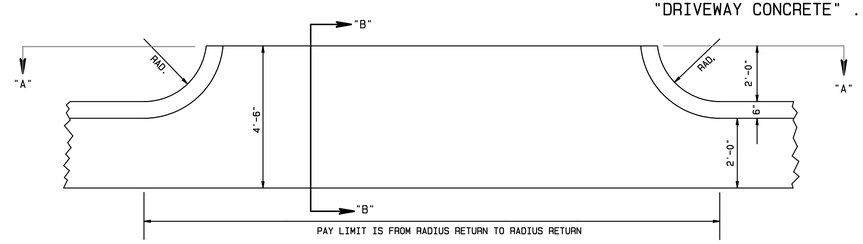
SCALE:	NONE	DRAWN BY:	AWC
DATE:	05-17-2016	FINAL APPROVAL:	AWC

EFFECTIVE 05-17-2016 SHEET 10 OF 10

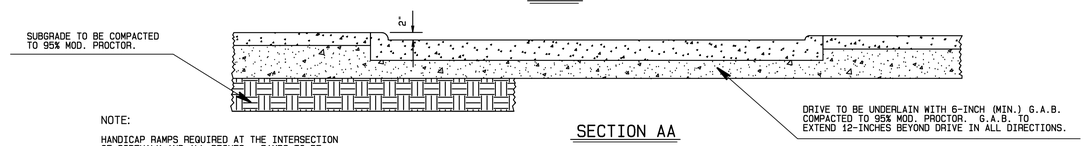
RADUS CHART

LAND USE	MINIMUM DRIVEWAY RAD.
SINGLE FAMILY RESIDENTIAL	2'
COMMERCIAL OR MULTI-FAMILY	15'
INDUSTRIAL	25'

NOTE: DRIVEWAY BEYOND THE 4'-6" MEASUREMENT SHOWN HEREON SHALL BE PAID FOR AS "DRIVEWAY CONCRETE" .



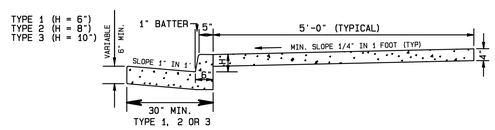
PLAN



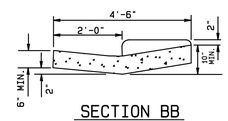
SECTION AA

NOTE:

HANDICAP RAMPS REQUIRED AT THE INTERSECTION OF SIDEWALK AND ALL DRIVES. RAMPS TO BE CONSTRUCTED IN CONFORMANCE WTIH GDOT STANDARD A3 AND A4.



TYPICAL SECTION 30" CURB & GUTTER WITH 4" SIDEWALK



SECTION BB

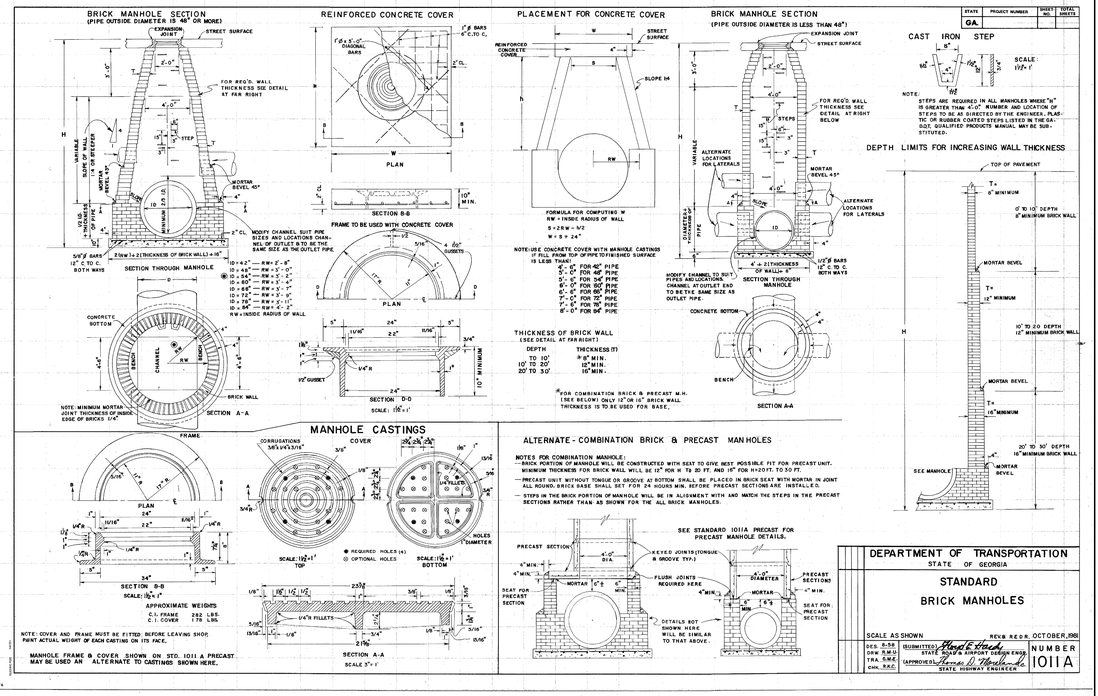
CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

STANDARD DRIVEWAY DETAIL & CURB & GUTTER SECTION

SCALE:	NONE	DRAWN BY:	AWC
DATE:	10-2004	FINAL APPROVAL:	AWC

REVISIONS

EFFECTIVE 1-1-2011 SHEET 4 OF 10



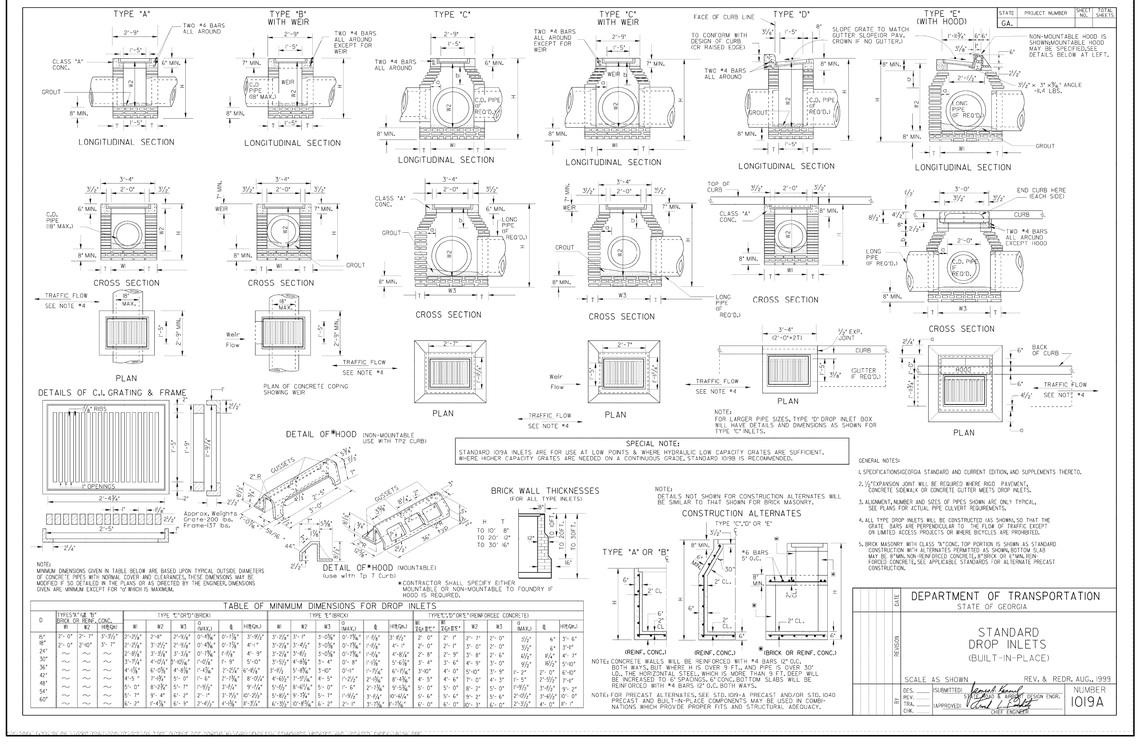
CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

ROADWAY IMPROVEMENTS ALONG BRANHAM AVE DETAILS

SCALE:	AS SHOWN	DRAWN BY:	HDA
DATE:	AUGUST 2019	FINAL APPROVAL:	

Sheet Plotted: 8/27/2019

Job No. 1210-19 SHEET 4 OF 6



SPECIAL NOTE:
STANDARD IO19A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD IO19B IS RECOMMENDED.

GENERAL NOTES:
1. SPECIFICATIONS:GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL, SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN) SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT OR LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN, BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE, 4" BRICK OR 4" MIN. REINFORCED CONCRETE, SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

NOTES:
MINIMUM DIMENSIONS GIVEN IN TABLE BELOW ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES WITH NORMAL COVER AND CLEARANCES, THESE DIMENSIONS MAY BE MODIFIED IF SO DETAILED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER, DIMENSIONS GIVEN ARE MINIMUM EXCEPT FOR "D" WHICH IS MAXIMUM.

NOTE:
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.

NOTE:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.

*CONTRACTOR SHALL SPECIFY EITHER MOUNTABLE OR NON-MOUNTABLE TO FOUNDRY IF HOOD IS REQUIRED.

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES "A" & "B" (BRICK OR REINF. CONC.)			TYPE "C" OR "D" (BRICK)						TYPE "E" (BRICK)						TYPES "C" & "D" (REINFORCED CONCRETE)					
	W1	W2	HT.(BR.)	W1	W2	W3 (MAX.)	Q	HT.(BR.)	W1	W2	W3	W3 (MAX.)	Q	HT.(BR.)	W1 TO 8"*	W1 TO 8"*	W2	W3	W3 (MAX.)	Q	HT.(BR.)
15"	2'-0"	2'-7"	3'-11½"	2'-0¼"	2'-4"	2'-10¼"	6'-0¾"	3'-10½"	2'-0¼"	2'-1"	2'-7"	3'-10½"	6'-0¾"	3'-10½"	2'-0"	2'-1"	2'-7"	3'-10½"	4'-6"	6'-0¾"	3'-6"
18"	2'-0"	2'-10"	3'-7"	2'-0¼"	2'-10½"	2'-10¼"	6'-0¾"	4'-1"	2'-0¼"	2'-10½"	3'-4½"	3'-10¼"	6'-0¾"	4'-1"	2'-0"	2'-9"	3'-3"	3'-10½"	4'-9"	6'-0¾"	3'-9"
24"	~	~	~	2'-8½"	3'-3½"	2'-11¾"	7'-1¾"	4'-6½"	2'-8½"	3'-3½"	3'-9½"	3'-11¾"	7'-1¾"	4'-6½"	2'-8"	2'-9"	3'-3"	3'-11"	5'-3"	7'-1¾"	4'-1"
30"	~	~	~	3'-1¾"	4'-0½"	3'-10¾"	8'-0½"	5'-1"	3'-1¾"	4'-0½"	4'-3½"	4'-10¾"	8'-0½"	5'-1"	3'-4"	4'-0"	4'-3"	4'-10"	5'-8"	8'-0½"	4'-8½"
36"	~	~	~	4'-1¾"	4'-10½"	4'-10¾"	9'-0½"	5'-7½"	4'-1¾"	4'-10½"	5'-1½"	5'-10¾"	9'-0½"	5'-7½"	3'-10"	4'-10"	5'-1"	5'-10"	6'-7"	9'-0½"	5'-4½"
42"	~	~	~	4'-6"	5'-10½"	5'-7½"	10'-0½"	6'-1½"	4'-6"	5'-10½"	6'-1½"	6'-7½"	10'-0½"	6'-1½"	4'-5"	5'-10½"	6'-1½"	6'-7½"	7'-4"	10'-0½"	6'-1½"
48"	~	~	~	5'-0"	7'-0½"	6'-7"	11'-0½"	6'-8½"	5'-0"	7'-0½"	7'-1½"	7'-4½"	11'-0½"	6'-8½"	4'-11"	7'-0½"	7'-1½"	7'-4½"	8'-0"	11'-0½"	6'-8½"
54"	~	~	~	5'-5"	8'-3½"	7'-11"	12'-0½"	7'-4½"	5'-5"	8'-3½"	8'-4½"	8'-1"	12'-0½"	7'-4½"	5'-4"	8'-3½"	8'-4½"	8'-1"	8'-8"	12'-0½"	7'-4½"
60"	~	~	~	5'-11"	9'-4"	8'-7"	13'-0½"	7'-11½"	5'-11"	9'-4"	9'-10½"	9'-1½"	13'-0½"	7'-11½"	5'-10"	9'-4"	9'-10½"	9'-1½"	9'-10½"	13'-0½"	7'-11½"
66"	~	~	~	6'-5"	10'-4½"	9'-3"	14'-0½"	8'-7½"	6'-5"	10'-4½"	11'-3½"	9'-7½"	14'-0½"	8'-7½"	6'-4"	10'-4½"	11'-3½"	9'-7½"	10'-6½"	14'-0½"	8'-7½"

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

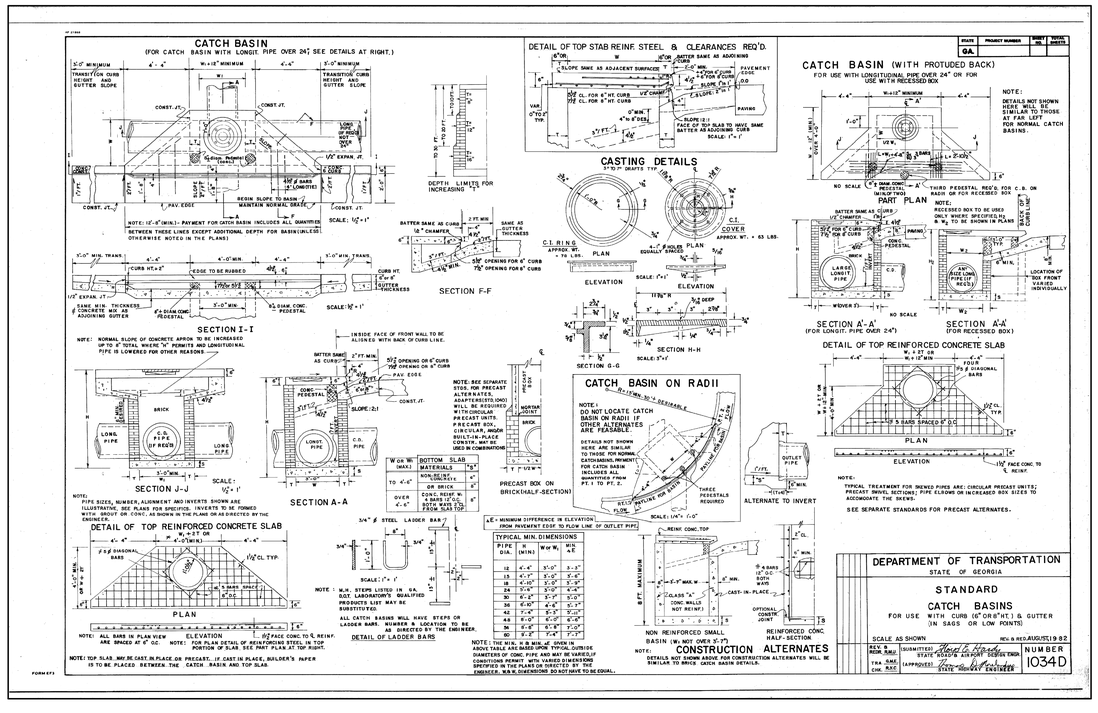
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
DROP INLETS
(BUILT-IN-PLACE)

SCALE AS SHOWN — REV. & REDR. AUG., 1999

DES. ____ (SUBMITTED) Harold Pound
REV. ____ STATE ROAD & AIRPORT DESIGN ENGR.
TRA. ____ (APPROVED) Lewis J. Ledford
CHK. ____ CHIEF ENGINEER

NUMBER 1019A



NOTE:
DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THOSE AT FAR LEFT FOR NORMAL CATCH BASINS.

NOTE:
DO NOT LOCATE CATCH BASIN ON RADII IF OTHER ALTERNATES ARE FEASABLE.

DETAILS NOT SHOWN HERE ARE SIMILAR TO THOSE FOR NORMAL CATCHBASINS, PAVEMENT FOR CATCH BASIN ON RADII SHOULD BE MODIFIED FROM PT. 1 TO PT. 2.

NOTE:
TYPICAL TREATMENT FOR SKEWED PIPES ARE: CIRCULAR PRECAST UNITS; PRECAST OVAL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZES TO ACCOMODATE THE SKEW.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

TYPICAL MIN. DIMENSIONS

PIPE DIA.	H (MIN)	W or W1	W2	W3 & E
12	4'-6"	3'-0"	3'-3"	3'-3"
15	4'-6"	3'-0"	3'-3"	3'-3"
18	4'-10"	3'-0"	3'-3"	3'-3"
24	5'-6"	3'-0"	3'-3"	3'-3"
30	6'-0"	3'-3"	3'-3"	3'-3"
36	6'-0"	4'-0"	3'-3"	3'-3"
42	7'-6"	4'-6"	3'-3"	3'-3"
48	8'-0"	5'-0"	3'-3"	3'-3"
54	9'-0"	5'-6"	3'-3"	3'-3"
60	9'-6"	6'-0"	3'-3"	3'-3"

NOTE: THE MIN. H & MIN. W DIMENSIONS SHOWN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF PIPES WITH NORMAL COVER AND CLEARANCES. DIMENSIONS WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. MIN W. DIMENSIONS DO NOT HAVE TO BE EQUAL.

NON REINFORCED SMALL BASIN (W1 NOT OVER 5'-7")

REINFORCED CONC. HALF-SECTION

NOTE:
DETAILS NOT SHOWN ABOVE FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO BRICK CATCH BASIN DETAILS.

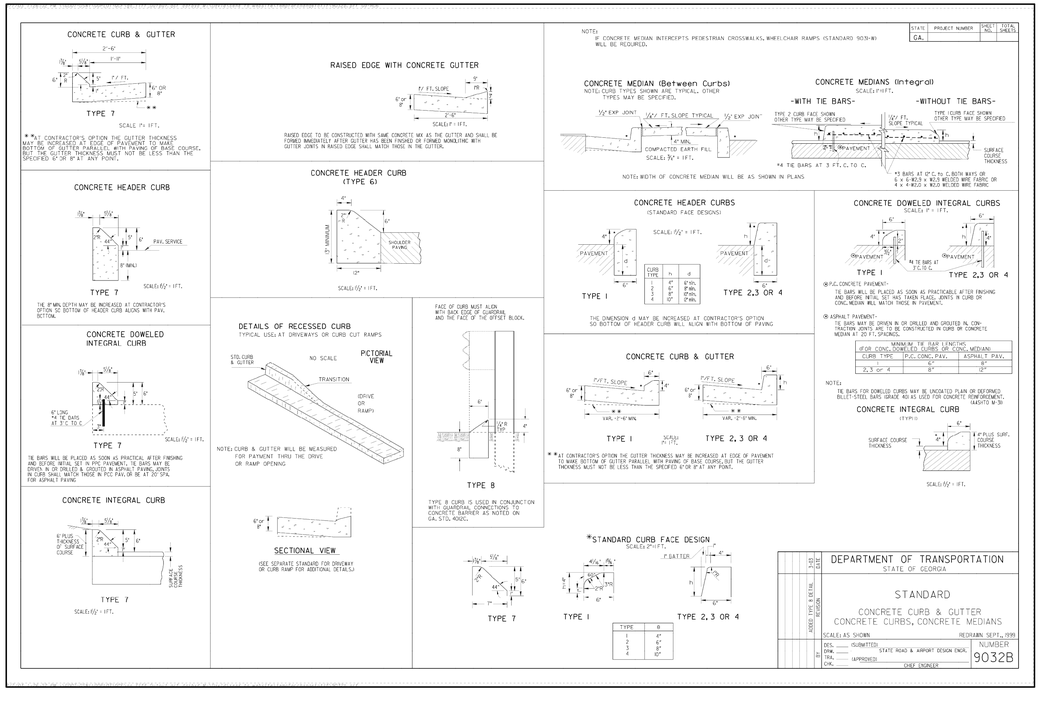
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CATCH BASINS
FOR USE WITH CURB (6" OR 4" H) & GUTTER (IN SAGS OR LOW POINTS)

SCALE AS SHOWN — REV. & REDR. AUG./SEP. 1982

DES. ____ (SUBMITTED) Harold Pound
REV. ____ STATE ROAD & AIRPORT DESIGN ENGR.
TRA. ____ (APPROVED) Lewis J. Ledford
CHK. ____ STATE HIGHWAY ENGINEER

NUMBER 1034D



NOTE:
IF CONCRETE MEDIAN INTERCEPTS PEDESTRIAN CROSSWALKS, WHEELCHAIR RAMPS (STANDARD 9039-W) WILL BE REQUIRED.

NOTE:
WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVING

*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 9" AT ANY POINT.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS

SCALE: AS SHOWN — REDRAWN: SEPT., 1999

DES. ____ (SUBMITTED)
REV. ____ STATE ROAD & AIRPORT DESIGN ENGR.
TRA. ____ (APPROVED)
CHK. ____ CHIEF ENGINEER

NUMBER 9032B

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

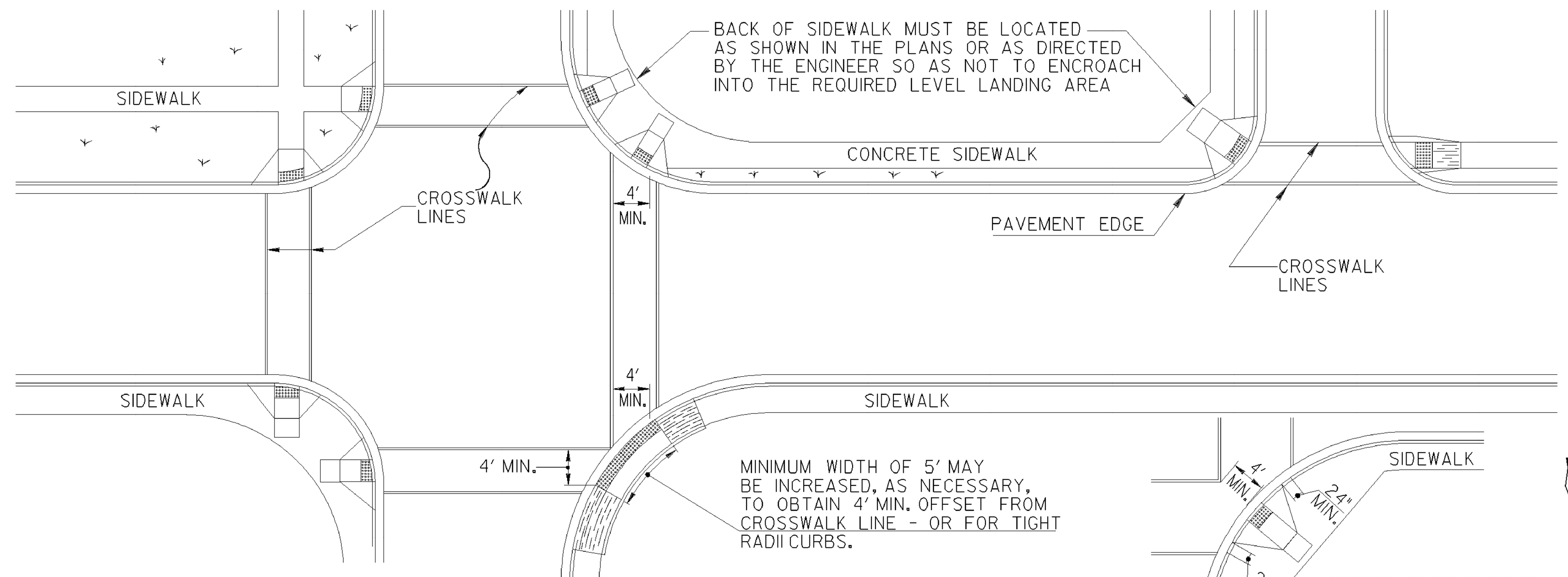
ROADWAY IMPROVEMENTS ALONG BRANHAM AVE DETAILS

SCALE: AS SHOWN	**DRAWN BY:** HDA
DATE: AUGUST 2019	**FINAL APPROVAL:**

Sheet Plotted: 8/27/2019

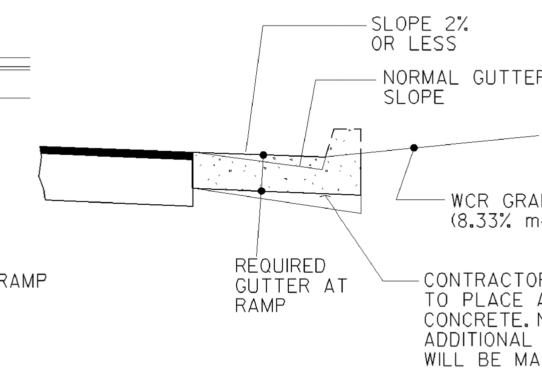
Job No. 1210-19 — **SHEET** 5 **OF** 6

TYPICAL LOCATIONS FOR CURB CUT RAMPS - PLAN VIEW



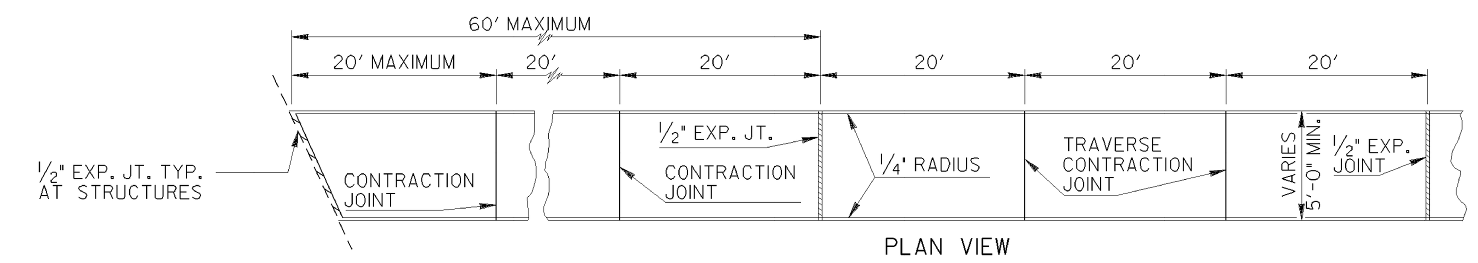
NOTE: THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET. THE RAMP SLOPE MAY EXCEED 12:1 IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.

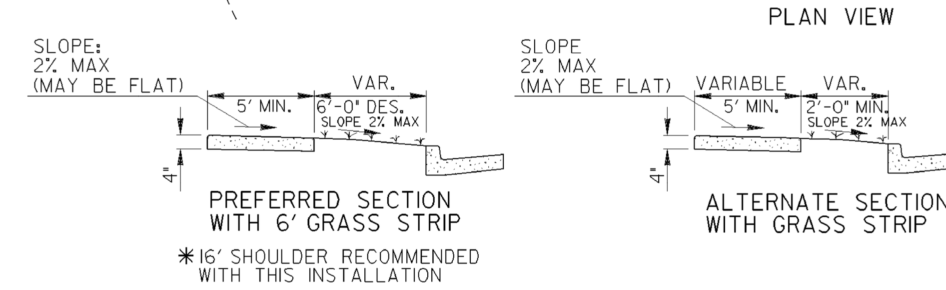
GUTTER TRANSITION DETAIL



CONCRETE SIDEWALK DETAILS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			





✱5' MIN WIDTH WITH NO OBSTRUCTIONS (MAILBOXS, SIGNS,ETC)

7' PREFERRED WIDTH WITH A 2' AREA OF CONTRASTING COLOR & TEXTURE ADJACENT TO THE CURB. (COST OF TEXTURE, COLORING & HOLES REQUIRED FOR MAILBOX AND SIGN POST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK)

NOTES FOR CONCRETE SIDEWALK:

A. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
C. 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:

1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
   a) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
   b) WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
   c) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC.. WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
6. LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT. THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
8. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

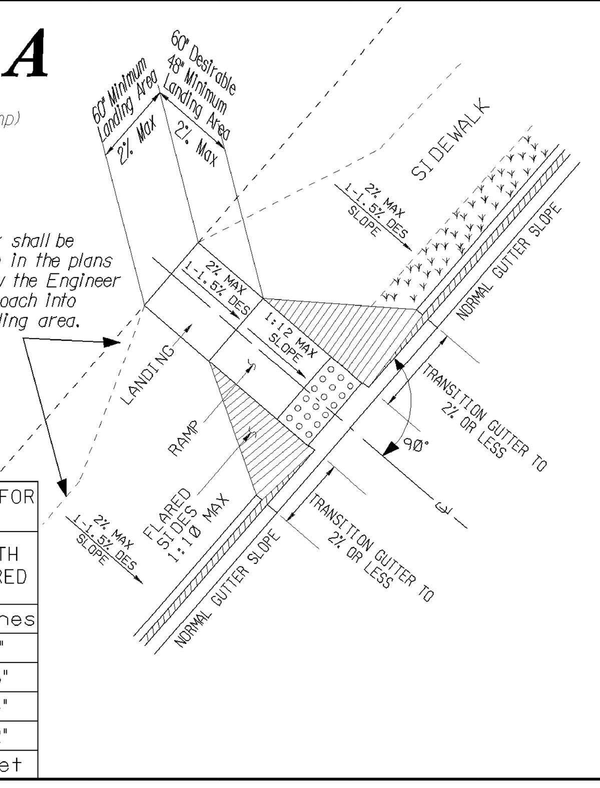
This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" =25mm, 4"=100mm, and 12" or 1' =300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

Type A

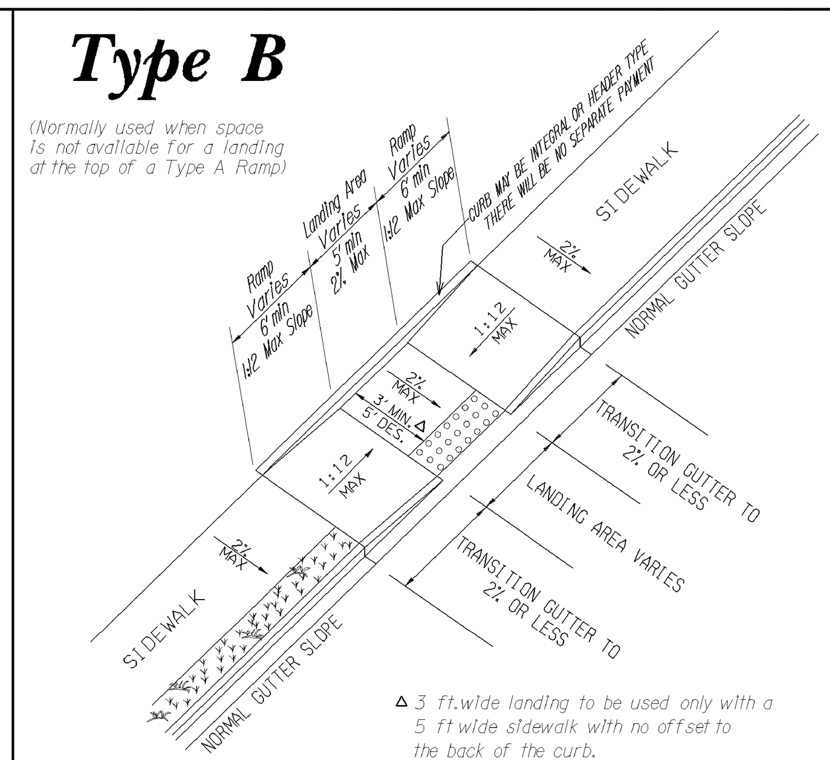
(The Prefered Ramp)



LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 inch	10 inches
2 inches	1'-8"
3 inches	2'-6"
4 inches	3'-4"
5 inches	4'-2"
6 inches	5 feet

Type B

(Normally used when space is not available for a landing at the top of a Type A Ramp)

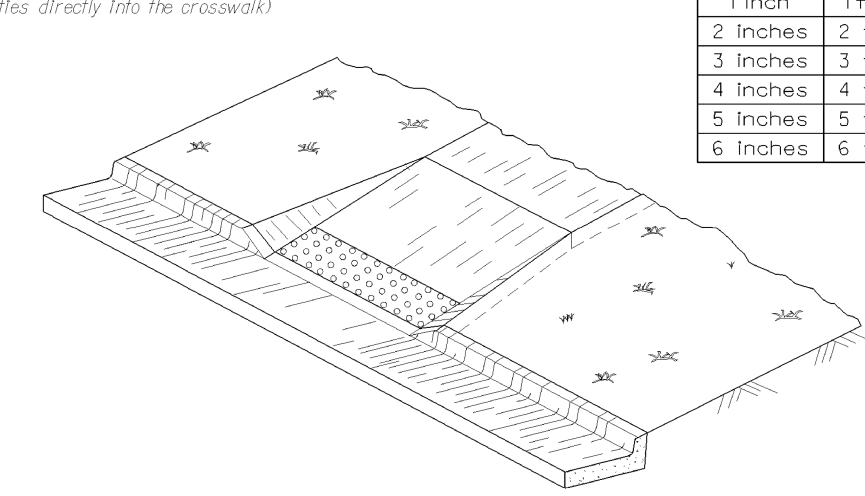


Δ 3 ft. wide landing to be used only with a 5 ft wide sidewalk with no offset to the back of the curb.

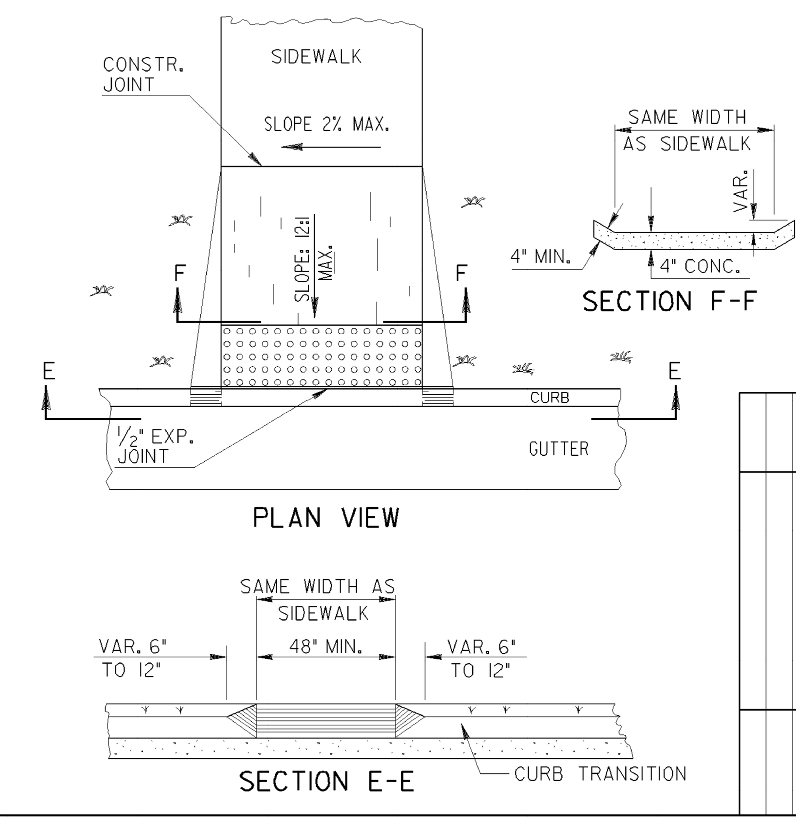
Type D

(Normally used when the sidewalk ties directly into the crosswalk)

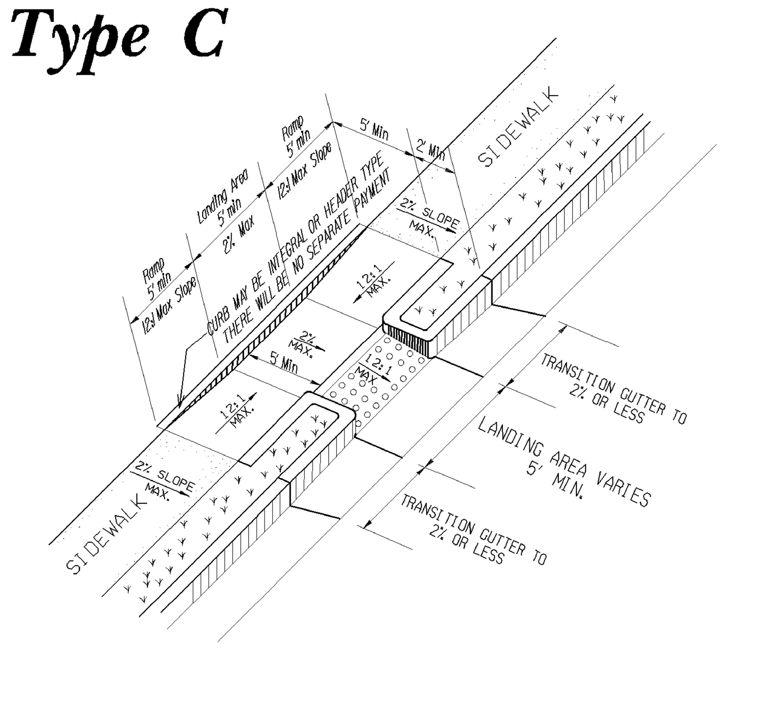
LENGHT REQUIRED FOR A 1:12 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 inch	1 foot
2 inches	2 feet
3 inches	3 feet
4 inches	4 feet
5 inches	5 feet
6 inches	6 feet



IN AREAS WHERE THE GUTTER HAS A SLOPE 1" IN 1' END NORMAL GUTTER SLOPE AT A DISTANCE OF 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLAT GUTTER SLOPE. NORMAL GUTTER SLOPE SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP.



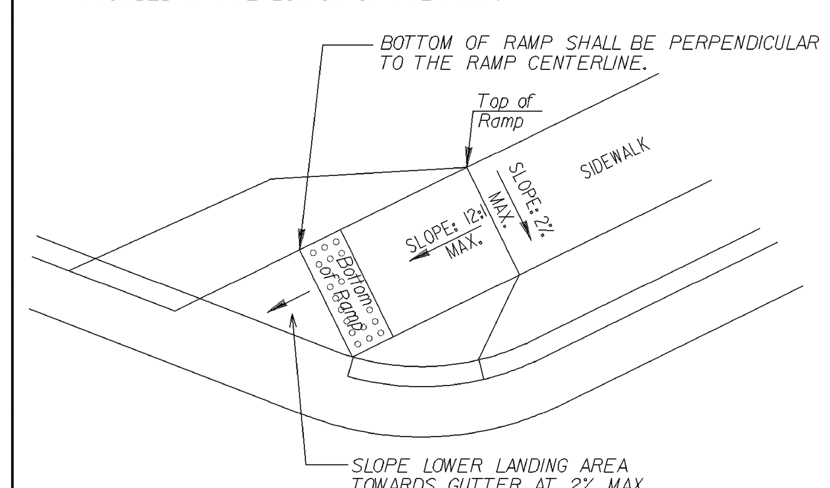
Type C



Skewed Ramp Details

(Applies to Type A & Type D Ramps Only)

WHEN THE RAMP CENTERLINE IS NOT PERPENDICULAR TO THE CURB A LEVEL LANDING AREA WITH SLOPES LESS THAN 2% MUST BE PROVIDED AT THE BOTTOM OF THE RAMP.



DATE	REVISION	
6-18-09	REV. SLOPES TO PERCENT	GLO
	AND ADDED 12:1 & 10:1 CHART.	
	ADDED GEN. NOTE NO. 8.	
5-10-06	REV. TRUNCATED DOMES	GLO
2-21-03	REVISED	
2-10-03	REVISED	
7-29-02	REVISED	
5-29-02	REVISED	
5-23-02	REVISED	
5-13-02	REVISED	
4-29-02	REVISED	
4-11-02	REVISED	
4-3-02	REVISED	
3-28-02	REVISED	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE — MARCH 12, 2002

NUMBER A3

CITY OF ROME, GEORGIA
ENGINEERING DEPARTMENT

ROADWAY IMPROVEMENTS ALONG BRANHAM AVE DETAILS

SCALE: AS SHOWN
DATE: AUGUST 2019
DRAWN BY: HDA
FINAL APPROVAL:

Sheet Plotted: 8/27/2019

Job No. 1210-19 — **SHEET** 6 **OF** 6