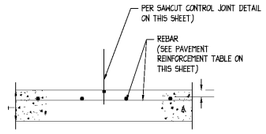
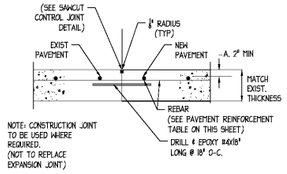
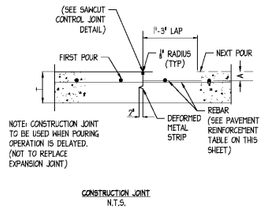


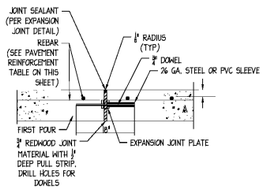
SAWCUT JOINT
N.T.S.



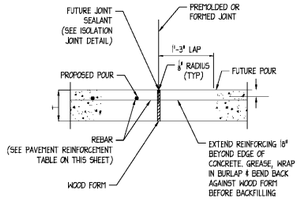
CONCRETE TO CONCRETE TIE IN
N.T.S.



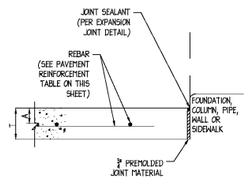
CONSTRUCTION JOINT
N.T.S.



SAWCUT JOINT
N.T.S.



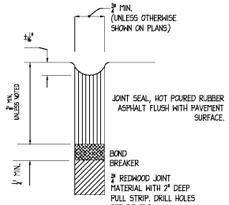
CONCRETE TO CONCRETE TIE IN
N.T.S.



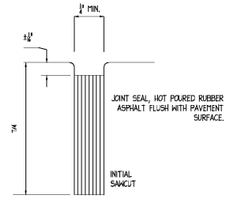
CONSTRUCTION JOINT
N.T.S.

NOTES:

1. REINFORCING STEEL BAR SIZE/SPACING SPECIFICATIONS IN GEOTECH REPORT SHALL SUPERSEDE ABOVE TABLE.
2. REINFORCING STEEL SIZE/SPACING IS BASED ON MIN. 60,000 PSI TENSILE STRENGTH REINFORCING STEEL AS SHOWN.
3. CONCRETE PAVING MIX DESIGN SHALL HAVE MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. GEOTECHNICAL REPORT CONCRETE PAVING MIX DESIGN SHALL SUPERSEDE VALUES HEREIN.
4. MAXIMUM JOINT SPACING SHALL BE PER JOINT LAYOUT PLAN (IF PROVIDED) BUT SHALL NOT EXCEED VALUES IN TABLE.
5. MAXIMUM JOINT SPACING IN GEOTECHNICAL REPORT SHALL SUPERSEDE VALUES IN ABOVE TABLE.
6. USE STATE DOT SUBBASE UNLESS OTHERWISE SPECIFIED BY GEOTECHNICAL REPORT.
7. ALL JOINTS IN PAVING SHALL BE REFLECTED IN CURBING AND SHALL HAVE ALL THEIR RESPECTIVE JOINTING MATERIALS PRESENT (I.E. EXPANSION JOINTS SHALL HAVE THEIR RESPECTIVE FILLER BOARD AND CAULK REPLACED).
8. CURB EXPANSION JOINTS- - IF THERE IS AN EXPANSION JOINT IN THE PAVING, THE EXPANSION JOINT MUST FOLLOW THROUGH THE CURB. THE REINFORCING STEEL MUST ALSO BE CUT AT THE EXPANSION JOINT AND NOT ALLOWED TO RUN THROUGH THE JOINT CONTINUOUSLY. A SAW CUT EXPANSION JOINT IS NOT ACCEPTABLE BECAUSE NORMAL EXPANSION AND CONTRACTION WILL CAUSED THE CONCRETE TO PUSH AGAINST THE TWO SECTIONS AND ONE SIDE WILL EVENTUALLY FAIL. IF AN EXPANSION JOINT IS LEFT CUT AND MUST BE SAW CUT IN, THE CURB SHOULD BE CUT THICE AND A ½" PIECE OF CONCRETE IS REMOVED. IN ALL CASES THE JOINT SHOULD BE CAULKED WITH NPI.
9. CONCRETE TOUCHING THE BACK OF CURBS- - ANY CONCRETE THAT TOUCHES THE BACK OF A CURB INCLUDING SIDEWALKS, ISLAND NOSINGS AND PAYPHONE PADS SHALL BE ISOLATED FROM THE CURB USING ½" BLACK ASPHALT IMPREGNATED FIBERBOARD. CONTRACTOR SHALL USE A REMOVABLE STRIP OR A ZIP-STRIP AND SEAL THE JOINT WITH SL1. THE ONLY EXCEPTION IS IF THE ISLAND NOSINGS ARE POURED MONOLITHICALLY WITH THE CURB AND PARKING LOT.
10. CURBS AT THE BUILDING FOUNDATION- - IF A CURB TOUCHES THE BUILDING FOUNDATION, IT NEEDS TO BE ISOLATED WITH EXPANSION JOINT MATERIAL JUST LIKE THE PAVING. IF AN EXPANSION JOINT IS LEFT CUT AND MUST BE SAW CUT IN, A ½" PIECE OF CONCRETE SHOULD BE REMOVED. THE JOINT SHOULD BE CAULKED WITH NPI.
11. EXPANSION JOINTS AT ISLAND NOSINGS- - IF THE ISLAND NOSINGS ARE POURED MONOLITHICALLY WITH THE CURB AND PARKING LOT, THEN PAVING EXPANSION JOINTS SHOULD CONTINUE THROUGH THE NOSINGS.

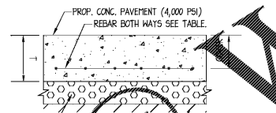


EXPANSION JOINT
N.T.S.



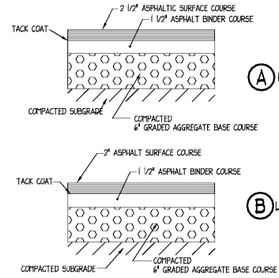
SAW CUT CONTROL JOINT
N.T.S.

REINFORCEMENT TABLE				
	(T)	(COVER)		60,000 PSI STEEL
CONCRETE SECTION DESIGNATION	SLAB THICKNESS (IN.)	COVER (IN.) (2" MIN)	MAX. EXPANSION JOINT SPACING (FT.)	REINFORCING STEEL BAR SIZE & SPACING*
TYPE 'A'	7	2	15	#3 @ 24" C-C



THIS DESIGN WAS COMPLETED WITHOUT THE BENEFIT OF A GEOTECHNICAL REPORT.

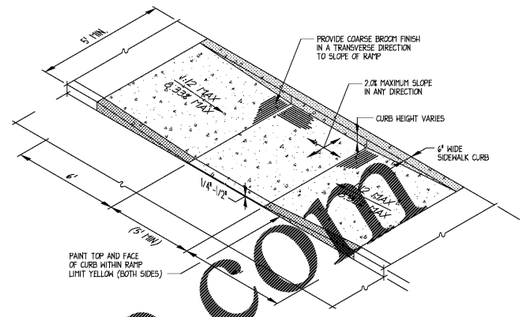
1 CONCRETE SECTION NTS



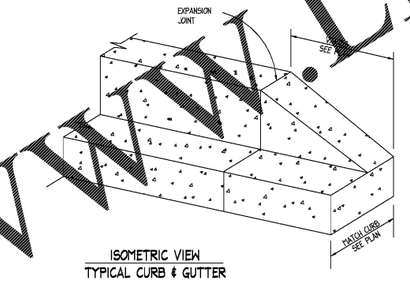
THIS DESIGN WAS COMPLETED WITHOUT THE BENEFIT OF A GEOTECHNICAL REPORT.

NOTE: THE ASPHALT SURFACE COURSE SHOULD CONFORM TO THE MOST RECENT EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, FOR HOT MIX ASPHALTIC CONCRETE SURFACE COURSE. THE BASE COURSE SHOULD CONFORM TO THE GADOT STANDARDS FOR BASE COURSE COMPACTED TO 100 PERCENT OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY. TOP 12" OF SUBGRADE TO BE COMPACTED TO 98% OF THE STANDARD PROCTOR (ASTM D698) MAXIMUM DRY DENSITY (OR AS RECOMMENDED, AS A MINIMUM).

2 PAVEMENT SECTION NTS

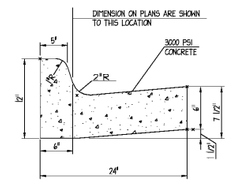


3 SIDEWALK RAMP NTS

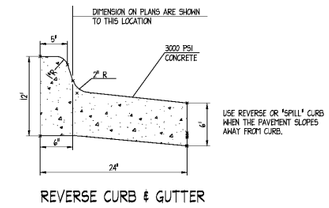


ISOMETRIC VIEW
TYPICAL CURB & GUTTER

4 CURB TRANSITION NTS

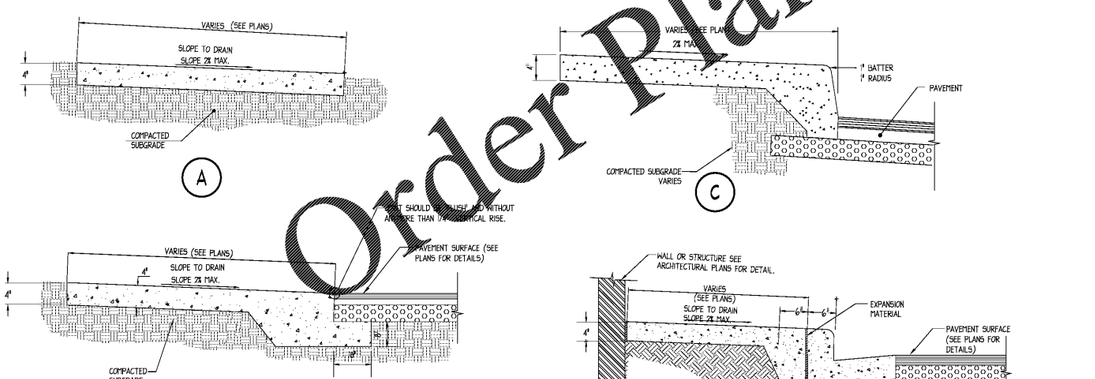


NORMAL CURB & GUTTER



REVERSE CURB & GUTTER

5 24" CURB & GUTTER NTS



CONCRETE NOTES:

- f'c = 4,000 PSI
- PROVIDE CONTROL JOINTS AT 5' O.C.
- PROVIDE EXPANSION JOINTS ONLY WHERE CONCRETE PAVEMENT ABUTS FIXED OBJECTS, CURB AND GUTTER, AND OTHER PAVEMENT TYPES.

6 CONCRETE SIDEWALK DETAIL NTS

Order Plans @ WWW.LDILine.com

ingenium ENTERPRISES
PLANNING & ENGINEERING
14491 N DALE MABRY HWY
SUITE 250
TAMPA, FL 33618
813.367.0084
WWW.INGENIUMTEAM.COM

GEORGIA REGISTERED PROFESSIONAL ENGINEER ERIK ALEXANDER HOUSTON No. 038772 11/05/19

HILTON GARDEN INN
BUFORD, GEORGIA
MALL OF GEORGIA BLVD &
WOODWARD CROSSING BLVD

Hilton Garden Inn

PLANS (PDF)

CLIENT:

PHG BUFORD, LLC
3500 LENOX ROAD, SUITE 625
ATLANTA, GEORGIA 30326
PHONE: (404) 497-4111

REVISION HISTORY

1	--/--/----	5	--/--/----
2	--/--/----	6	--/--/----
3	--/--/----	7	--/--/----
4	--/--/----	8	--/--/----

THE CIVIL ENGINEER REGULARLY UPDATES ELECTRONIC FILES DURING THE DEVELOPMENT OF A PROJECT. AS A RESULT, THE DATA INCLUDED IN ANY CAD FILE OR DRAWING PRIOR TO ITS FINAL RELEASE DOES NOT NECESSARILY REFLECT THE COMPLETE SCOPE OR CONTENT AS DEFINED IN THE CONTRACT. THE CONTENTS IN THESE FILES MAY THEREFORE BE PRELIMINARY, INCOMPLETE WORK IN PROGRESS, AND SUBJECT TO CHANGE. FURTHERMORE, THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF THE CIVIL ENGINEER. THE ORIGINAL IDEAS REPRESENTED HERE BY THIS INFORMATION SHALL NOT BE USED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE CIVIL ENGINEER. THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT EXPRESSED WRITTEN PERMISSION OF THE CIVIL ENGINEER IS PROHIBITED.

PROJ. #	180060
DWG NAME	180060 C03.DWG
ISSUE DATE	11/08/2019
PROJ. MGR	EF

HARDSCAPE DETAILS II

C03.3
SHEET NUMBER

ISSUED FOR: 11.08.19