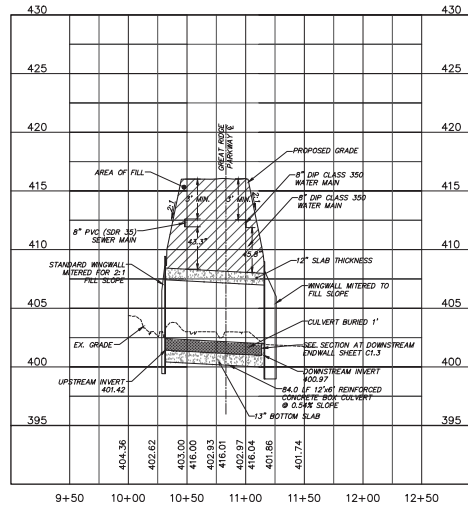


GREAT RIDGE PARKWAY CULVERT PLAN
SCALE: 1"=10'



GREAT RIDGE PARKWAY CULVERT PROFILE
SCALE: (Horiz.) 1"=50'; (Vert.) 1"=5'

CULVERT CONSTRUCTION NOTES:

- ASSUMED LIVE LOAD -----HS20-44 OR ALTERNATE LOADING.
- DESIGN FILL----- 10 FT
- FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.
- 3" Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:
 - WING FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS.
 - THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY FLOOR SLAB AND HEADWALLS.
- THE ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.
- THIS BARREL STANDARD TO BE USED ONLY ON CULVERT ON 80' SKEW AND TO BE USED WITH STANDARD WING SHEET WITH THE SAME SKEW AND VERTICAL CLEARANCE.
- DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.
- TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE JOISTS TO A MAXIMUM OF 20 FT. LOCATION OF JOISTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- AT THE CONTRACTOR'S OPTION, HE MAY SPlice THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPlice LENGTH SHALL BE AS PROVIDED IN THE SPlice LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPlices SHALL BE PAID FOR BY THE CONTRACTOR.
- AT THE CONTRACTOR'S OPTION HE MAY SUBMIT, TO THE ENGINEER FOR APPROVAL, DESIGN AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE CULVERT SHOWN ON THE PLANS. THE DESIGN SHALL PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS USED ON THE CAST-IN-PLACE DESIGN. FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISIONS.
- FOR FOUNDATION RECOMMENDATIONS, REFER TO THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY SB&E DATED MAY 20, 2013.
- PROVIDE STONE BEDDING FOR CULVERT PER NCDOT STANDARDS OR THE GEOTECHNICAL INVESTIGATION, WHICHEVER IS MORE STRINGENT.

CONCRETE 28 DAY COMPRESSIVE STRENGTH: F_C= 3,000 PSI
REINFORCING STEEL: ASTM A615, GRADE 60
SOIL BEARING CAPACITY: 3,000 PSF

NO.	DATE	DESCRIPTION	BY	CHKD.
1	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
2	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
3	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
4	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
5	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
6	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
7	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
8	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
9	06/17/2013	ISSUED FOR PERMIT	SSA	SSA
10	06/17/2013	ISSUED FOR PERMIT	SSA	SSA



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BRIAR CHAPEL
by **Newland COMMUNITIES**

**BRIAR CHAPEL
GREAT RIDGE PARKWAY CULVERT
CHATHAM COUNTY, NORTH CAROLINA**

PLAN & PROFILE

DATE: MAY 24, 2013	SCALE: HORIZONTAL: 1" = 50'	PROFILE NUMBER: C1.X
DRAWN: GCA	VERTICAL: C1.1	DRAWING NUMBER:
CHECKED: CCH	DATE: N/A	
PROJECT MGR.: CCH		
STATUS: FINAL DRAWING FOR REVIEW ONLY	REVISION: 1	