

MT. HOLLY - HUNTERSVILLE ROAD
(VARIABLE WIDTH PUBLIC R/W)

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY NCDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF WAY.
2. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
3. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND HYDROSEED AND/OR SOD.
4. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORM WATER TO THE STORMWATER CONVEYANCE SYSTEM.
5. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW AS-BUILT CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOP OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. SIGNED AND SEALED AS-BUILT DRAWINGS PREPARED BY A REGISTERED LAND SURVEYOR SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
6. NOTIFY NORTH CAROLINA ONE CALL (811) 48 HOURS IN ADVANCE PRIOR TO DIGGING.
7. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR PRIOR TO FINAL AS-BUILT SIGN OFF FROM THE CITY.
8. IN ALL HANDICAP AREAS (PARKING SPACES AND ACCESS AISLES) MAXIMUM SLOPE/GRADE IS 2%. IN ADDITION, ALL RAMPS HAVE A MAXIMUM SLOPE OF 1:12.
9. TRANSITION CURB AND GUTTER HANDICAP RAMPS SHALL HAVE A MINIMUM 2.0% CROSS SLOPE.
10. ALL DRAINAGE PIPES SHALL BE PER NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DIVISION 3 - PIPE CULVERTS.
11. PAVEMENT CROSS SLOPES (SLOPES PERPENDICULAR TO THE DIRECTION OF TRAVEL) SHALL BE A MAXIMUM OF 1:12. ALL RAMP SLOPES SHALL HAVE A MAXIMUM SLOPE OF 1 IN 12. ALL LANDINGS AT STAIRS AND RAMPS SHALL HAVE A MAXIMUM SLOPE OF 2% (IN BOTH DIRECTIONS). ALL WALKWAYS SHALL HAVE A MAXIMUM SLOPE LESS THAN 5% IN THE DIRECTION OF TRAVEL. ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATION. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCE BUT SHALL NOT ADJUST GRADES TO LESS THAN 1% SLOPE. THE CONTRACTOR SHALL CONTACT THE ENGINEER/ARCHITECT REGARDING ANY GRADE REVISIONS PRIOR TO CONSTRUCTION OF THE PAVEMENT AREAS. PAVEMENT SLOPES SHALL BE REVIEWED AFTER CONSTRUCTION AND PAVEMENT OVER THE MAXIMUM SLOPES SPECIFIED ABOVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
12. ALL TRIMMING UNDERTAKEN ON A TREE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
13. TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES (I.E., HAY BALES, Baffles, SODDING AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
14. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT SHALL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
15. REFERENCE RIVERBEND OVERALL ENGINEERING PLANS FOR SITE BENCHMARK INFORMATION.

LEGEND

- STORM PIPE PROPOSED BY OTHERS
- PROPOSED STORM PIPE
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT EL. (TOP OF CURB AND BOTTOM OF CURB)
- PROPOSED SPOT ELEVATION (BY OTHERS)
- INDICATES DIRECTION OF SURFACE WATER FLOW
- DIRECTION OF TRAFFIC FLOW
- INDICATES SLOPE DIRECTION
- EXISTING STORM INLET
- PROPOSED STORM INLET
- PROPOSED CONCRETE
- ASPHALT SHARED DRIVE (BY OTHERS)
- ASPHALT PAVEMENT (BY OTHERS)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- RIDGE LINE
- HIGH POINT
- ELEVATION
- PIPE INVERT
- REINFORCED CONCRETE PIPE

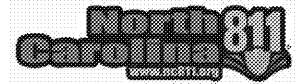
DRAINAGE STRUCTURE TABLE:

- D-1
GRATE INLET
PER NCDOT DETAIL 840.14
TOP ELEV = 736.80
INV ELEV = 722.37 (15" RCP)
- D-2
GRATE INLET
PER NCDOT DETAIL 840.14
TOP ELEV = 736.80
INV ELEV = 721.97 (15" RCP)
- D-3
GRATE INLET
PER NCDOT DETAIL 840.14
TOP ELEV = 735.35±
INV ELEV = 721.48 (15" RCP)
- E15
GRATE INLET
(PROPOSED BY OTHERS)
TOP ELEV = 735.35±
(SE) INV ELEV = 721.15 (18" RCP)
(NW) INV ELEV = 721.40 (15" RCP)

STORM PIPE TABLE:

- P-1
81 LF 15" RCP @ 0.5%
- P-2
97 LF 15" RCP @ 0.5%
- P-3
66 LF 15" RCP @ 0.5%

This plan has been digitally signed and sealed by Craig L. Cornelison, P.E. on 02/27/2018.
Printed copies of this document are not considered signed and signature must be verified on any electronic copies.



THE PARCEL SHOWN FOR DEVELOPMENT IS LOCATED WITHIN THE FOLLOWING FLOOD ZONE(S) AS DETAILED BY FEMA FIRM (FLOOD INSURANCE RATE MAP) INFORMATION DESCRIBED BELOW:

FLOOD ZONE	COMMUNITY	NUMBER	PANEL NUMBER	SUFFIX	MAP EFFECTIVE DATE	MAP NUMBER
X	CHARLOTTE, CITY OF	370159	4527	K	SEP 02, 2015	3710452700K

CORNELISON & DESIGN, INC.
ENGINEERING & DESIGN, INC.
36039 OLD 5TH AVENUE, ZEPHYRHILLS, FL 33542
TEL: 813-788-7835 FAX: 813-788-7062
WWW.CORNELISON-ENGINEERING.COM
CERTIFICATE OF AUTHORIZATION 4591

SEAL
037118
CRAIG L. CORNELISON
ENGINEER
NORTH CAROLINA LICENSE NUMBER: PE037118
2-09-18

SEAL
CORNELISON & DESIGN, INC.
NO. C-3793
CRAIG L. CORNELISON
ENGINEER
NORTH CAROLINA LICENSE NUMBER: PE037118

REVISIONS:

NO.	DATE	DESCRIPTION
1	9/18/2017	REV PER CITY COMMENTS
2	12/6/17	REV PER BLDG DEPT.

CONTRACT DATE: BUILDING TYPE: MED 54
PLAN VERSION: SITE NUMBER: 311687
STORE NUMBER: 436563

TACO BELL
3923 SHAKEDOWN STREET
CHARLOTTE, NC 28216

LIVE MAS
MEDIUM 54

PAVING,
GRADING, AND
DRAINAGE PLAN

C05

PLOT DATE: 2-09-18

Order Plans @

WWW.LIVE.MAS.COM