

NOTES:

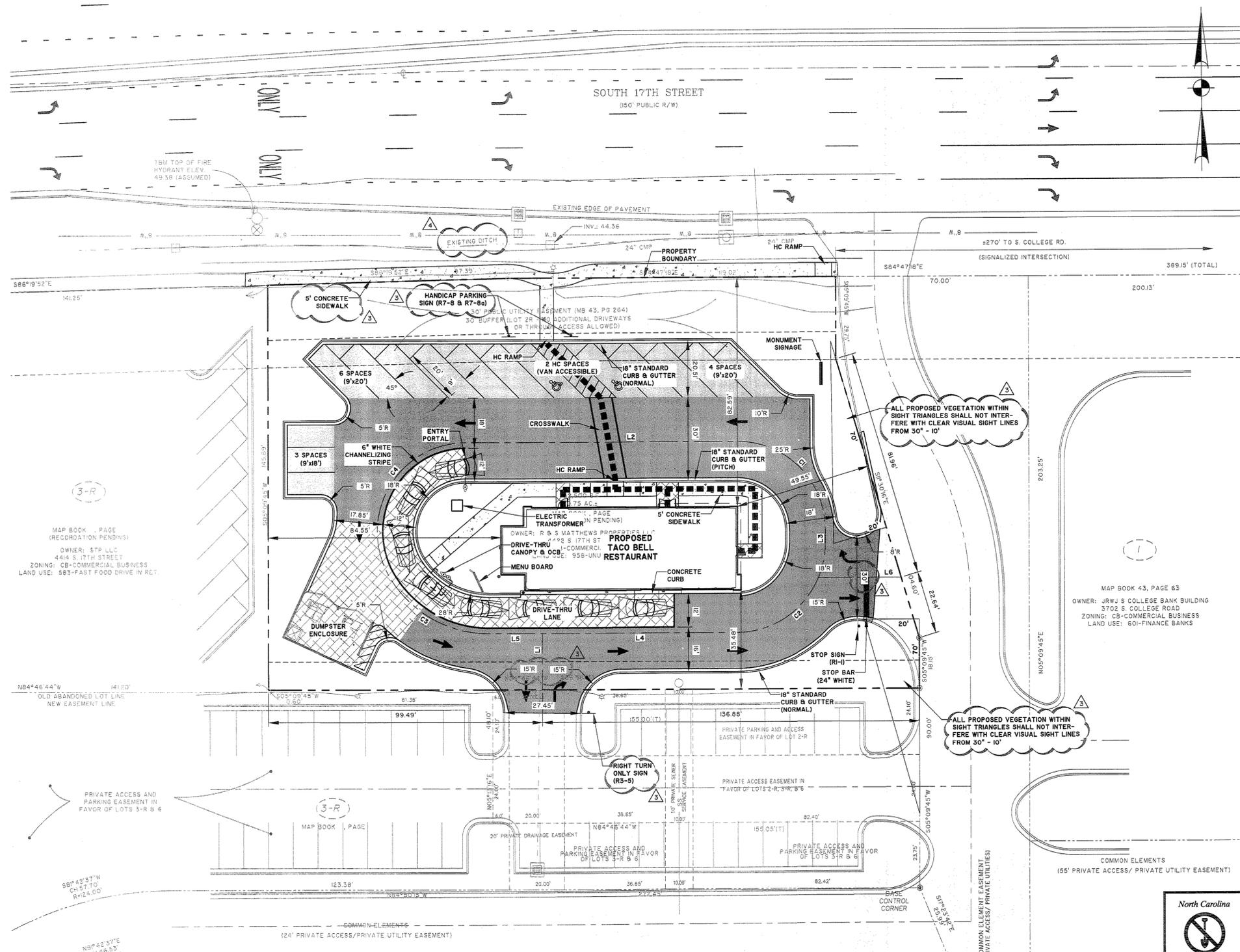
1. **ACCESSIBLE ROUTE - EXTERIOR:**
MINIMUM CLEAR WIDTH IS 5'. IF ACCESSIBLE ROUTE HAS LESS THAN 5' CLEAR WIDTH, THEN PASSING SPACES AT LEAST 5'x5' SHALL BE LOCATED EVERY 200' OR LESS (INTERSECTING SIDEWALKS MEET THIS REQUIREMENT). LONGITUDINAL (RUNNING) SLOPE MAY NOT EXCEED 5% UNLESS RAMP IS INSTALLED (RAMPS MAY NOT EXCEED 6.33%). CROSS SLOPE MAY NOT EXCEED 2%. GAPS IN ROUTE MAY NOT EXCEED 1/2" IN WIDTH.
2. **FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS:**
A. 0 TO 1/4": NO REQUIREMENTS
B. 1/4" TO 1/2": BEVEL WITH 1:2 SLOPE
C. LARGER THAN 1/2": CONFORM TO REQUIREMENTS FOR RAMP
3. **RAMPS:**
• MAX RAMP SLOPE 6.33% (1:2)
• RAMPS STEEPER THAN 6.33% ARE NOT ACCEPTABLE.
• MAX RISE FOR ANY RAMP RUN IS 30" (AT 6.33% SLOPE, MAXIMUM RUN OF RAMP IS 30').
• MAX CROSS SLOPE OF RAMP 2% (1:50)
- 3A. **LANDINGS:**
• RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP.
• LANDING SHALL BE AT LEAST AS WIDE AS RAMP LEADING TO IT.
• LANDING LENGTH SHALL BE MINIMUM 5' CLEAR.
• IF RAMPS CHANGE DIRECTION AT LANDING, MINIMUM LANDING SIZE SHALL BE 5'x5'.
• ALL LANDINGS ARE TO BE NO MORE THAN 2% SLOPE IN ANY DIRECTION.
4. **CURB RAMPS:**
• MAX SLOPE OF CURB RAMP 6.33%.
• MAX SLOPE OF SIDE FLARES 10%.
• MAX SLOPE OF ADJOINING GUTTERS, ROAD SURFACE, OR ACCESSIBLE ROUTE 5%.
• MIN WIDTH 36" (NOT INCLUDING SIDE FLARES).
• DETECTABLE WARNING IS REQUIRED ON CURB RAMPS AT TRAFFIC AISLES, AND SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
5. **PAVEMENT MARKINGS:**
• AS REQUIRED BY LOCAL JURISDICTIONAL AUTHORITY (RECOMMENDED CROSSWALK MARKING TO DESIGNATE ACCESSIBLE PEDESTRIAN ROUTE)
6. **HANDICAP PARKING SPACES:**
• MINIMUM 8' WIDE ACCESSIBLE PARKING SPACE
• MINIMUM 5' WIDE ACCESS AISLE AT STANDARD SPACES
• MINIMUM 8' WIDE ACCESS AISLE AT VAN ACCESSIBLE SPACES
• MAXIMUM 2% (1:50) SLOPE IN ANY DIRECTION
7. **SIGNAGE:**
ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY A SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL. SUCH SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBSURED BY A VEHICLE PARKED IN THE SPACE (60" ABOVE GRADE UNLESS OTHER HEIGHT REQUIRED BY LOCAL JURISDICTION).
8. **ACCESSIBLE ROUTES:**
MUST COMPLY WITH ADA, THE FAIR HOUSING ACT AND ICC/ANSI A117.1-2003.

LEGEND

- LIGHT-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY ASPHALT PAVEMENT
- BLACK CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- ACCESSIBLE ROUTE

CITY OF WILMINGTON GENERAL NOTES:

- A. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- B. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- C. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- D. ALL PAVEMENT MARKINGS REGULATING DIRECTIONAL TRAFFIC FLOW SHALL BE THERMOPLASTIC.
- E. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- F. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. IN CERTAIN CASES, AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- G. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- H. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY APRON PANELS AND CURB AND GUTTER SECTIONS WILL BE REPLACED.
- I. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
- J. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- K. TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.



MAP BOOK 43, PAGE 63
OWNER: JRWJ S COLLEGE BANK BUILDING
3702 S. COLLEGE ROAD
ZONING: CB-COMMERCIAL BUSINESS
LAND USE: 60-FINANCE BANKS

MAP BOOK 43, PAGE 63
OWNER: SFP LLC
4414 S. 17TH STREET
ZONING: CB-COMMERCIAL BUSINESS
LAND USE: 55-FAST FOOD DRIVE IN RET.

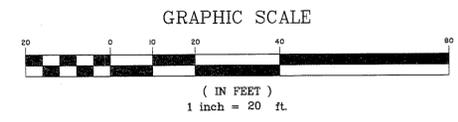
PRIVATE ACCESS AND PARKING EASEMENT IN FAVOR OF LOTS 3-R & 6

PRIVATE ACCESS AND PARKING EASEMENT IN FAVOR OF LOTS 3-R & 6

PRIVATE ACCESS AND PARKING EASEMENT IN FAVOR OF LOTS 3-R & 6

LINE	BEARING	LENGTH
L1	S 0°02'57" E	20.24'
L2	N 89°57'03" E	98.78'
L3	S 0°02'57" E	4.58'
L4	S 89°57'03" W	70.88'
L5	S 89°57'03" W	19.49'
L6	N 89°57'03" E	30.07'

CURVE	RADIUS	LENGTH	CHORD	CHD BEARING	DELTA
C1	32.00'	50.27'	45.25'	S 45°02'57" E	90°00'00"
C2	32.00'	50.27'	45.25'	S 44°57'03" W	90°00'00"
C3	42.00'	41.93'	40.21'	N 61°26'52" W	57°12'10"
C4	32.00'	68.58'	56.19'	N 28°33'08" E	122°47'50"



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Professional Engineer
JOHN H. RICHARDS
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THOMAS & HUTTON ENGINEERING CO.
No. F-0871
STATE OF NORTH CAROLINA
CERTIFICATE OF AUTHORITY

- △ 5-13-13 REVISED PER CITY
- △ 3-27-13 REVISED PER CITY

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: LARGE 50 N
PLAN VERSION: AUGUST 2012
SITE NUMBER: 12-0276
STORE NUMBER: XXXXX

TACO BELL
4422 SOUTH 17TH STREET
FULTON STATION, NC

TACO BELL
LARGE 50 N

SHEET TITLE:
SITE DEVELOPMENT PLAN

JOB NO: J-24078.0001
DATE: 02-12-2013
DRAWN BY: KWL
DESIGNED BY: KWL
REVIEWED: JHR
APPROVED: JHR
SCALE: 1" = 20'

SHEET NO:
C1.2

I. GENERAL NOTES

- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- THE FOLLOWING NOTES ARE SPECIFIED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR) AND ARE TO BE EXECUTED BY THE CONTRACTOR.
 - ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN THE TIMES LISTED BELOW:
 - DENuded AREAS: WITHIN 7 WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY
 - SLOPES: WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY (INCLUDING SLOPES, SWALES, STOCKPILES, ETC.)
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY THE COUNTY, PROJECT ENGINEER AND/OR NCDENR.
- ANY GRADING BEYOND WHAT IS DEPICTED IN THE APPROVED AND PERMITTED PLANS IS A VIOLATION OF THE STATE'S EROSION CONTROL AND GRADING REQUIREMENTS AND MAY BE SUBJECT TO A FINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL FINES DUE TO VIOLATIONS.
- GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF SEDIMENT POLLUTION CONTROL ACT AND MAY BE SUBJECT TO A FINE.
- ALL OFF SITE BORROW MUST COME FROM A STATE APPROVED SOURCE. CONTRACTOR TO SUBMIT WRITTEN DOCUMENTATION IDENTIFYING SOURCE.
- ALL SURPLUS MATERIAL AND DEMOLITION DEBRIS SHALL BE HAULED OFF SITE TO AN APPROVED WASTE SITE. CONTRACTOR TO SUBMIT WRITTEN DOCUMENTATION IDENTIFYING APPROVED WASTE SITE.

II. CONSTRUCTION SEQUENCE

- INSTALL SILT FENCE AND EROSION CONTROL MEASURES
- CLEARING AND GRUBBING
- INSTALL SEDIMENT BASIN
- INSTALL DRAINAGE CONVEYANCES
- INSTALL WATER AND SEWER SERVICES
- SITE ROUGH GRADING
- BUILDING CONSTRUCTION
- PARKING LOTS AND FINAL GRADING
- FINAL GRASSING AND STABILIZATION
- CONVERT SEDIMENT BASIN TO WET DETENTION BASIN PER DESIGN SPECIFICATIONS AND DETAILS ONCE THE SITE IS PERMANENTLY STABILIZED.

III. MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL TWO (2) INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. SKIMMER WILL BE CLEANED AND MAINTAINED TO ENSURE PROPER OPERATION PER MANUFACTURER'S RECOMMENDATIONS.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE SPACING.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE COVER.
- SEDIMENT, STRAW, LIMBS OR OTHER DEBRIS WILL BE REMOVED FROM THE CHECK DAMS TO PREVENT CLOGGING. STONES WILL BE ADDED AS NECESSARY TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

NPDES STABILIZATION REQUIREMENTS

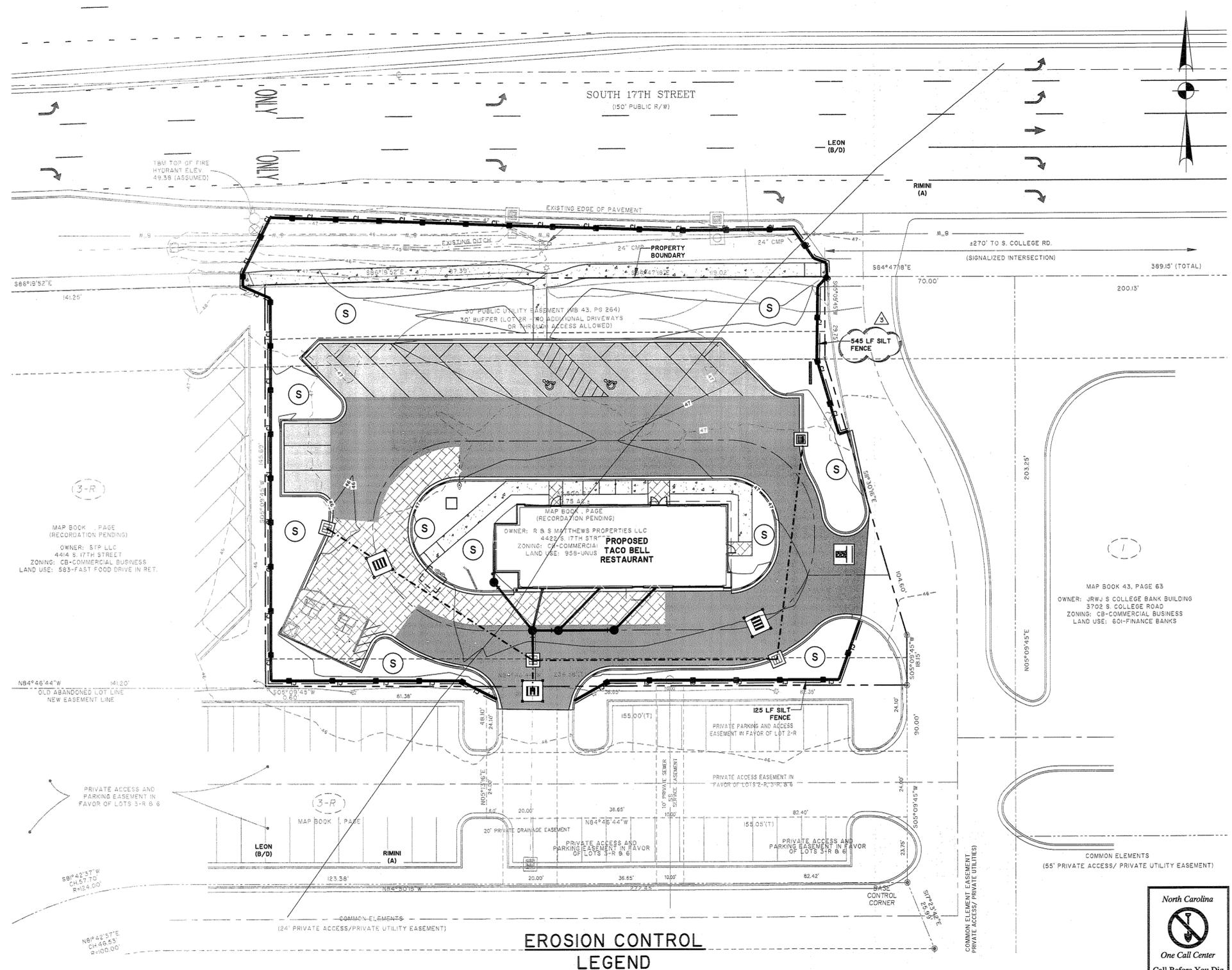
- ALL DISTURBED AREAS WILL BE STABILIZED WITHIN THE TIMEFRAME SPECIFIED BELOW:
- PERIMETER DIKES, SWALES, DITCHES & SLOPES - 7 DAYS OF LAST LAND DISTURBING ACTIVITY
 - SLOPES STEEPER THAN 3:1 - WITHIN 7 DAYS OF LAST LAND DISTURBING ACTIVITY
 - ALL OTHER AREAS - WITHIN 14 DAYS OF LAST LAND DISTURBING ACTIVITY

IV. INSPECTIONS

- QUALIFIED PERSONNEL (PROVIDED BY THE DISCHARGER) WILL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
- BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.1 OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT, AND NATURAL RESOURCES NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE CLASSIFIED AS "ASSOCIATED WITH INDUSTRIAL ACTIVITY" BY EPA REGULATION, HEREINAFTER REFERRED TO AS THE NPDES PERMIT, POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.2 OF THE NPDES PERMIT SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHARGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH IV.D.4.B OF THE NPDES PERMIT SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND THE NPDES PERMIT REFERENCED ABOVE. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G. OF THE NPDES PERMIT.

V. LONG TERM MAINTENANCE OF DRAINAGE AND STORMWATER MANAGEMENT SYSTEM

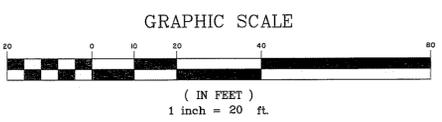
THE DRAINAGE SYSTEM WILL BE OWNED AND MAINTAINED BY TACO BELL AFTER CONSTRUCTION IS COMPLETE.



- NOTES:**
- ALL SLOPES EXCEEDING 6:1 OR GREATER SHALL BE STABILIZED WITH EXCELSIOR MATTING OR APPROVED EQUIVALENT. CONTRACTOR RESPONSIBLE FOR MAINTENANCE, REPAIR AND/OR REPLACEMENT OF ALL EROSION CONTROL MEASURES AS REQUIRED THROUGHOUT CONSTRUCTION.
 - ALL TREES WITHIN DISTURBANCE LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED.
 - BASED ON A SITE EVALUATION PERFORMED BY CARSON SURVEYING, THERE ARE NO JURISDICTIONAL 404 WETLANDS LOCATED ON THE PROPERTY.

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
SEDIMENT FENCE	—■—■—
CLEARING LIMITS/LIMITS OF DISTURBANCE	CL
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT	■
SODDING	○
HARDWARE CLOTH & GRAVEL INLET PROTECTION	■



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 No. F-0871
 STATE OF NORTH CAROLINA

CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	LARGE 50 NI
PLAN VERSION:	AUGUST 2012
SITE NUMBER:	12-0276
STORE NUMBER:	XXXXX
3-27-13	REVISED PER CITY
3-20-13	REVISED PER COUNTY

TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC

LARGE 50 Ni

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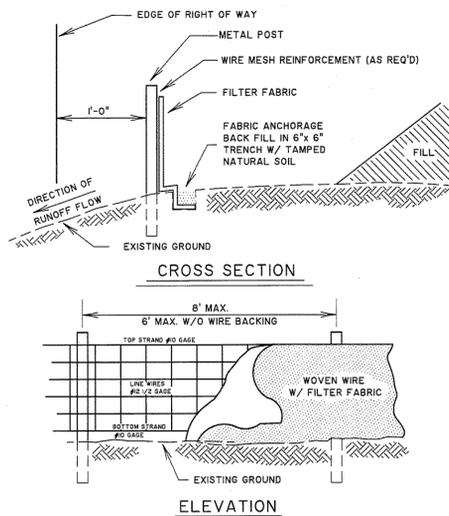
EROSION CONTROL PLAN

SHEET TITLE:

JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: KWL
 DESIGNED: KWL
 REVIEWED: JHR
 APPROVED: JHR
 SCALE: 1" = 20'

SHEET NO:
EC1.1

2/14/2013 10:25:00 AM C:\Users\jrh\Documents\Projects\2013\20130214\20130214.dwg - 10:25:00 AM - 10:25:00 AM

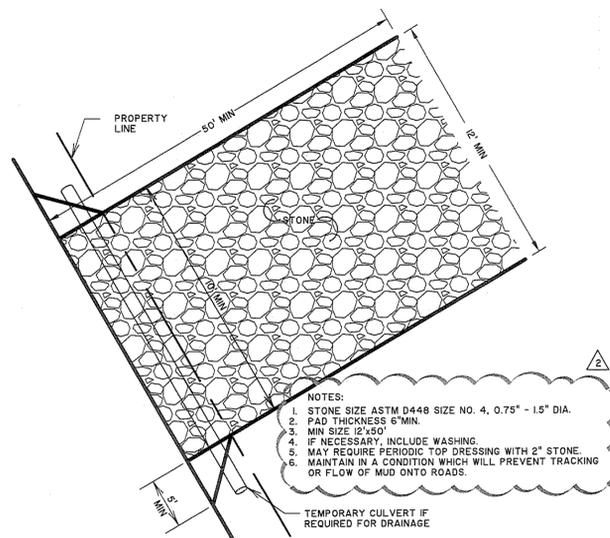


NOTES:
 FILTER CLOTH FOR SILT FENCE SHALL BE A TREVIRA TYPE II PRODUCT, CATALOG NO. I120 AS MANUFACTURED BY THE HOECHST CELANESE CORP.

WOVEN WIRE FENCE SHALL BE REQUIRED AS A BACKING FOR FILTER FABRIC WITH AN ELONGATION AS DETERMINED BY ASTM D 1682, OF 50% OR GREATER. THE WIRE FENCE SHALL BE A MINIMUM OF 32 INCHES IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12 INCH STAY SPACING. (WIRE BACKING MAY BE OMITTED IF STAKES ARE MAXIMUM OF 6' APART.)

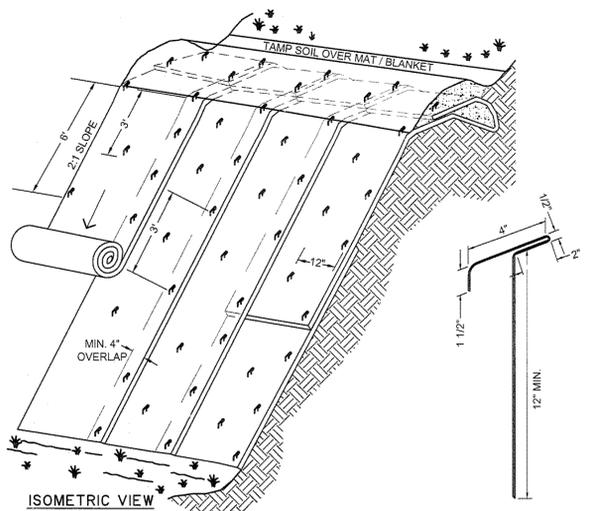
ONLY STEEL POST MAY BE USED. STEEL POST SHALL BE A MINIMUM OF 5 FEET LONG, WEIGH A MINIMUM OF 1.3 POUNDS/FOOT, AND HAVE PROJECTIONS FOR FASTENING THE WIRE OR THE FABRIC TO THE POST. STEEL POST SHALL ALSO HAVE A METAL PLATE SECURELY ATTACHED SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW GROUND LEVEL FOR ADDITIONAL STABILITY. POSTS SHALL BE INSTALLED TO A DEPTH DIRECTED BY THE ENGINEER, WITH 1 TO 2 INCHES OF THE POST PROTRUDING ABOVE THE TOP OF THE WIRE FENCE OR FABRIC BEING IDEAL, BUT IN ANY CASE, NO MORE THAN 3 FEET OF THE POST SHALL PROTRUDE ABOVE THE GROUND.

TEMPORARY SILT FENCE DETAIL
 NOT TO SCALE



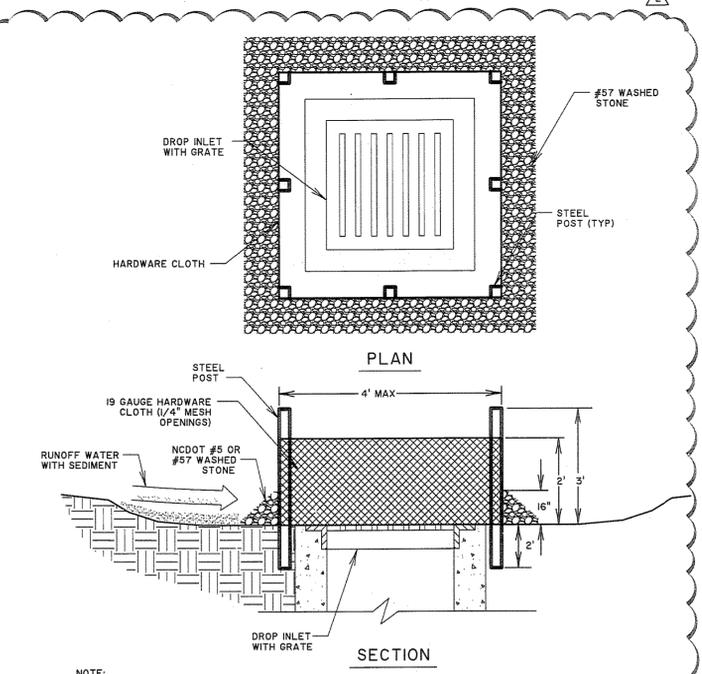
NOTES:
 1. STONE SIZE ASTM D448 SIZE NO. 4, 0.75" - 1.5" DIA.
 2. PAD THICKNESS 6" MIN.
 3. MIN SIZE 12"x50"
 4. IF NECESSARY, INCLUDE WASHING.
 5. MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE.
 6. MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO ROADS.

TEMPORARY CONSTRUCTION EXIT TCE
 NOT TO SCALE



NOTES:
 1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. BLANKETS SHALL BE BIODEGRADABLE EROSION CONTROL MATTING/BLANKET.
 5. ALL SLOPES 6:1 OR GREATER AND ALL SWALES SHALL BE STABILIZED WITH MATTING/BLANKET.
 6. CONTRACTOR RESPONSIBLE FOR MAINTENANCE, REPAIR AND/OR REPLACEMENT AS REQUIRED THROUGHOUT CONSTRUCTION.

EROSION CONTROL MATTING
 NOT TO SCALE



NOTE:
 THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT, LESS THAN 1 ACRE) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL.

CONSTRUCTION SPECIFICATIONS
DROP INLET SEDIMENT FILTER
 1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4' APART.
 3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
 4. PLACE LEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16" AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
 5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT AND ESTABLISH FINAL GRADING ELEVATIONS.
 6. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUND COVER.

HARDWARE CLOTH AND GRAVEL INLET PROTECTION
 NOT TO SCALE

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST MAINTENANCE	6-12-12	1500 lbs./ac.	50-100 lbs./ac. * 1 & 2
	SECOND MAINTENANCE	10-10-10	1000 lbs./ac.	30
2. COOL SEASON GRASSES AND LEGUMES	FIRST MAINTENANCE	6-12-12	1500 lbs./ac.	50-100 lbs./ac. * 1
	SECOND MAINTENANCE	10-10-10	1000 lbs./ac.	-
3. GROUND COVERS	FIRST MAINTENANCE	10-10-10	1300 lbs./ac. * 3	-
	SECOND MAINTENANCE	10-10-10	1300 lbs./ac. * 3	-
4. PINE SEEDLINGS	FIRST MAINTENANCE	20-10-5	ONE 21-GRAM PEELET PER FEET IN THE CLOSING HOLE	-
5. SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10	700 lbs./ac.	-
	SECOND MAINTENANCE	0-10-10	700 lbs./ac. * 4	-
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST MAINTENANCE	10-10-10	500 lbs./ac.	30 lbs./ac. * 5
7. WARM SEASON GRASSES	FIRST MAINTENANCE	6-12-12	1500 lbs./ac.	50-100 lbs./ac. * 2 & 6
	SECOND MAINTENANCE	6-12-12	800 lbs./ac.	50-100 lbs./ac.
	THIRD MAINTENANCE	10-10-10	400 lbs./ac.	30 lbs./ac. * 2
8. WARM SEASON GRASSES AND LEGUMES	FIRST MAINTENANCE	6-12-12	1500 lbs./ac.	50-100 lbs./ac. * 6
	SECOND MAINTENANCE	10-10-10	1000 lbs./ac.	-
	THIRD MAINTENANCE	10-10-10	400 lbs./ac.	-

- * 1 APPLY IN SPRING FOLLOWING SEEDING.
- * 2 APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
- * 3 APPLY IN 3 SPLIT APPLICATIONS.
- * 4 APPLY WHEN PLANTS ARE PRUNED.
- * 5 APPLY TO GRASS SPECIES ONLY.
- * 6 APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

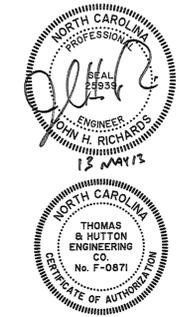
NOTE: SPREAD AGRICULTURAL LIMESTONE EVENLY OVER ALL SEEDING AREAS AT A RATE OF 1.5 TONS/ACRE.

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JANUARY	+ LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ RYE GRASS, ANNUAL	3 bu.	.5 bu.	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
FEBRUARY	+ LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ RYE GRASS, ANNUAL	3 bu.	.5 bu.	+ CENTIPEDE, SOD	75 lbs.	-
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
MARCH	+ LESPEDEZA, ANNUAL	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ RYE GRASS, ANNUAL	3 bu.	.5 bu.	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ SUDAN GRASS	60 lbs.	-	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
APRIL	+ MILLET, BROWN TOP	40 lbs.	10 lbs.	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ MILLET, PEARL	50 lbs.	-	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
	+ SUDAN GRASS	60 lbs.	-	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
MAY	+ MILLET, BROWN TOP	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ MILLET, PEARL	50 lbs.	-	+ CENTIPEDE, SOD	75 lbs.	-
	+ SUDAN GRASS	60 lbs.	-	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
JUNE	+ MILLET, BROWN TOP	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ MILLET, PEARL	50 lbs.	-	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ SUDAN GRASS	60 lbs.	-	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
JULY	+ MILLET, BROWN TOP	40 lbs.	10 lbs.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ MILLET, PEARL	50 lbs.	-	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
	+ SUDAN GRASS	60 lbs.	-	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
AUGUST	+ MILLET, PEARL	50 lbs.	-	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ RYE GRASS, ANNUAL	40 lbs.	-	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
SEPTEMBER	+ BARLEY	3 bu.	.5 bu.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ OATS	4 bu.	1 bu.	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
OCTOBER	+ BARLEY	3 bu.	.5 bu.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ OATS	4 bu.	1 bu.	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 2	75 lbs.	-
NOVEMBER	+ BARLEY	3 bu.	.5 bu.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ OATS	4 bu.	1 bu.	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 1	75 lbs.	-
DECEMBER	+ BARLEY	3 bu.	.5 bu.	+ BAHIA, PENSACOLA	60 lbs.	30 lbs.
	+ OATS	4 bu.	1 bu.	+ BERMUDA, UNHULLED	10 lbs.	6 lbs.
	+ WHEAT	3 bu.	.5 bu.	+ LESPEDEZA, SEDICEA 1	75 lbs.	-

NOTES:
 ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED AND CRIMPED IN PLACE OR PROTECTED WITH EROSION MATTING TO ENSURE PROPER STABILIZATION. (SLOPES 6:1 OR GREATER MUST BE PROTECTED WITH EROSION MATTING)
 * INDICATES MARGINAL (BUT PERMISSIBLE) PLANTING DATE
 1. UNSCARIFIED
 2. SCARIFIED
 3. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 215 South Kerr Avenue • Unit B
 Wilmington, NC 28403 • 910.332.3360
 www.thomasandhutton.com
 Savannah, GA | Brunswick, GA | Charleston, SC | Myrtle Beach, SC



3-20-13 REVISED PER COUNTY

CONTRACT DATE: XX.XX.XX
 BUILDING TYPE: LARGE 50 NI
 PLAN VERSION: AUGUST 2012
 SITE NUMBER: 12-0276
 STORE NUMBER: XXXXX

TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC



EROSION CONTROL DETAILS

JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: KWL
 DESIGNED: KWL
 REVIEWED: JHR
 APPROVED: JHR
 SCALE: 1" = 1'

SHEET NO:
EC1.2

North Carolina
 One Call Center
 Call Before You Dig
 "It's The Law"
 1-800-632-4949

WATER LEGEND

DESCRIPTION	EXISTING	PROPOSED
SINGLE SERVICE LATERAL	---	---
VALVE AND BOX	⊗	⊗
REDUCER	△	△
BACKFLOW PREVENTOR	▭	▭
CROSS	⊥	⊥
TEE	⊥	⊥
90° BEND - HORIZONTAL	└	└
45° BEND - HORIZONTAL	┘	┘
22-1/2° BEND - HORIZONTAL	┘	┘
11-1/4° BEND - HORIZONTAL	┘	┘
BEND - VERTICAL	⊥	⊥
CAP	⊙	⊙

SEWER LEGEND

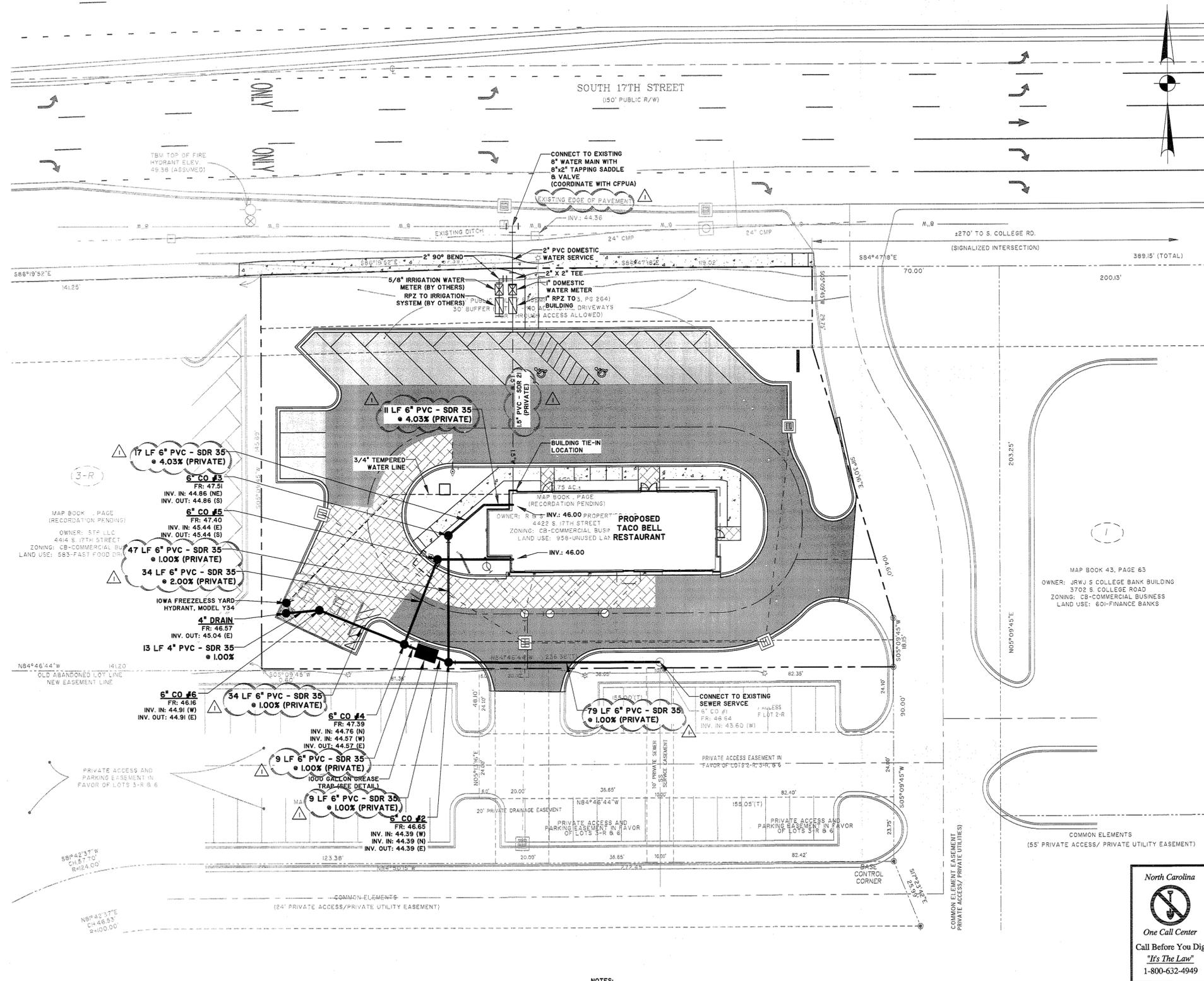
DESCRIPTION	EXISTING	PROPOSED
SINGLE SERVICE LATERAL	---	---
MANHOLE	○	●
CLEANOUT	○	●
FORCEMAIN	---	---
VALVE AND BOX	⊗	⊗
TEE	⊥	⊥
90° BEND - HORIZONTAL	└	└
45° BEND - HORIZONTAL	┘	┘
22-1/2° BEND - HORIZONTAL	┘	┘
11-1/4° BEND - HORIZONTAL	┘	┘
BEND - VERTICAL	⊥	⊥
PLUG	⊙	⊙

ABBREVIATIONS

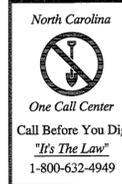
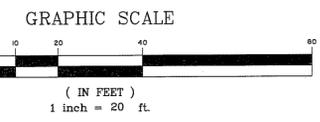
HDPE	HIGH DENSITY POLYETHYLENE	LF	LINEAR FEET	SF	SQUARE FEET
BOT	BOTTOM	MAX	MAXIMUM	SS	SANITARY SEWER
FH	FIRE HYDRANT	MIN	MINIMUM	TYP	TYPICAL
W	WATER	MH	MANHOLE	W/	WITH
WV	WATER VALVE	PVC	POLYVINYL CHLORIDE	R/W	RIGHT-OF-WAY

NOTES:

- ALL WATER AND SEWER SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS OF CAPE FEAR PUBLIC UTILITIES AUTHORITY (CFPUA) AND THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES.
- WATER SERVICE SHALL BE PVC OR BRASS AS REQUIRED BY CFPUA.
- SEWER SERVICE PIPING SHALL BE PVC SCH. 40. ALL MAIN PIPING SHALL BE MARKED WITH DETECTION TAPE AS PROVIDED IN THE SPECIFICATIONS.
- LOCATIONS OF EXISTING UTILITIES AND MAIN LINES WERE TAKEN FROM SURVEY PREPARED BY OTHERS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE ENGINEER RECORD DRAWINGS OF THE WATER AND SEWER SERVICES AND MAINS AND ANY DEVIATIONS FROM THE PLANS. THE RECORD DRAWINGS SHALL INDICATE AT LEAST 2 DIMENSIONS TO PER LOCATION TO PERMANENT FITTINGS IN CLOSE PROXIMITY FROM POINTS ALONG THE MAIN AND ANY BENDS OR UNDERGROUND FITTINGS.
- CONTRACTOR RESPONSIBLE FOR PROVIDING ALL FITTINGS NECESSARY TO MAKE SERVICE CONNECTIONS TO BUILDING.



- #### NOTES:
- CONTRACTOR SHALL COORDINATE WITH CFPUA TO OBTAIN A BACKFLOW PREVENTION ASSEMBLY INSTALLATION PERMIT FOR EACH BACKFLOW PREVENTER. CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETING THE BACKFLOW PREVENTER APPLICATION INCLUDING PAYMENT OF ANY REQUIRED APPLICATION FEES.
 - CONTRACTOR SHALL FOLLOW NCDOT TRAFFIC CONTROL FOR INSTALLATION OF WATER SERVICE WITHIN NCDOT RIGHT-OF-WAY.



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 www.thomasonhutton.com
 Savannah, GA | Brunswick, GA | Charleston, SC | Myrtle Beach, SC

THOMAS & HUTTON
 ENGINEERING
 JOHN H. RICHARDS
 12 APR 15
 NORTH CAROLINA
 ENGINEERING
 CO. No. F-0877
 CERTIFICATE OF AUTHORIZATION

CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	LARGE 50 NI
PLAN VERSION:	AUGUST 2012
SITE NUMBER:	12-0276
STORE NUMBER:	XXXXX

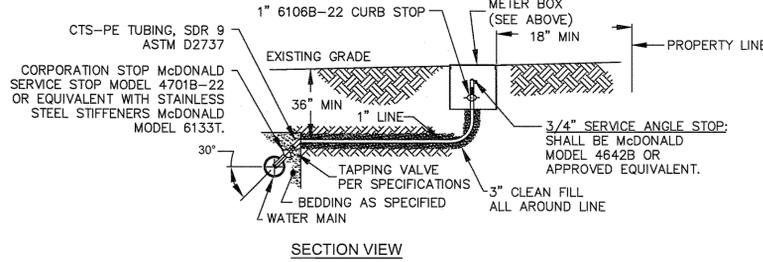
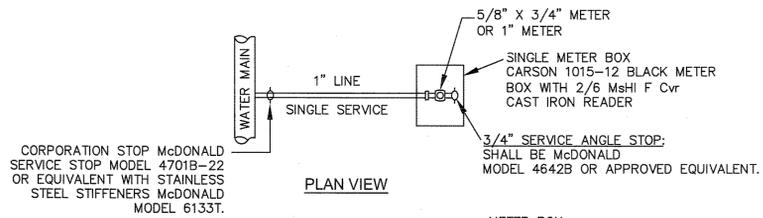
TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC



WATER AND SEWER PLAN

JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: KWL
 DESIGNED: KWL
 REVIEWED: JHR
 APPROVED: JHR
 SCALE: 1" = 20'

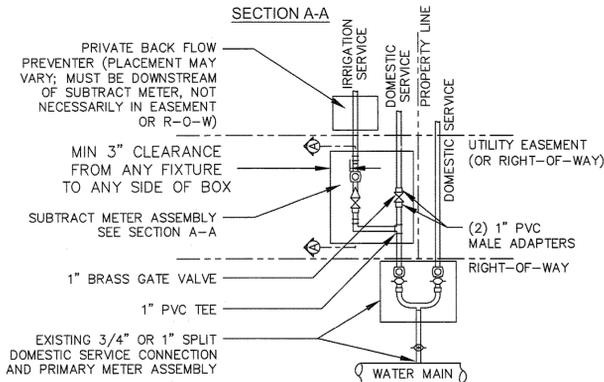
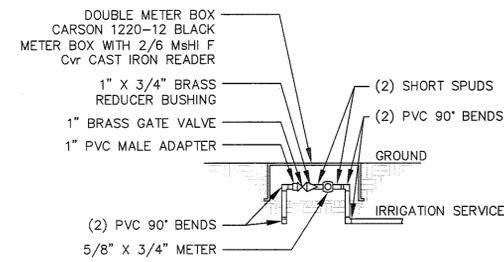
SHEET NO:
C2.1



- NOTES:**
- NO JOINT SHALL BE INSTALLED BETWEEN THE MAIN SERVICE TAP AND THE METER STOP. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
 - SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY; SADDLE McDONALD 3801 OR EQUIVALENT
 - METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (SIP MODEL 4240 OR APPROVED EQUIVALENT)

SINGLE SERVICE CONNECTION

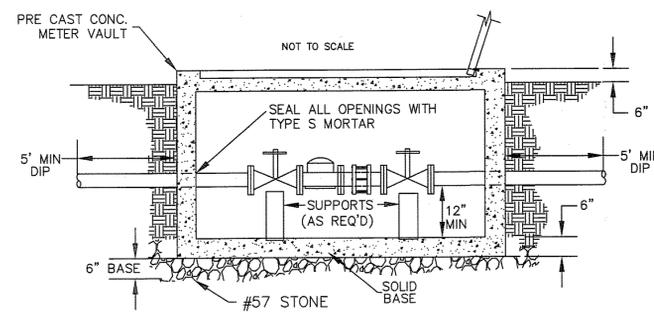
TYPICAL WATER SERVICE CONNECTION FOR RESIDENTIAL SINGLE FAMILY HOME ON CFPWA WATER SYSTEM
NOT TO SCALE



- NOTES:**
- BEYOND THE PRIMARY DOMESTIC METER ASSEMBLY, CFPWA IS ONLY RESPONSIBLE FOR METER AND WASHERS OF SUBTRACT METER ASSEMBLY
 - ALL PIPE AND FITTINGS UP TO FINAL SERVICE LINE TO BE 1" EXCLUDING METERS

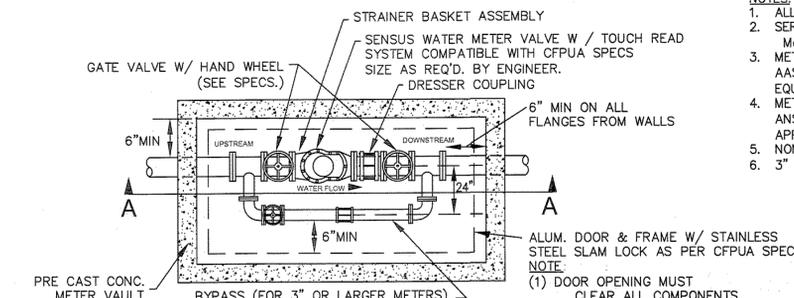
DOUBLE SERVICE CONNECTION USING SUBTRACT METER

(MULTIPLE DOMESTIC SERVICES PER TAP)
NOT TO SCALE



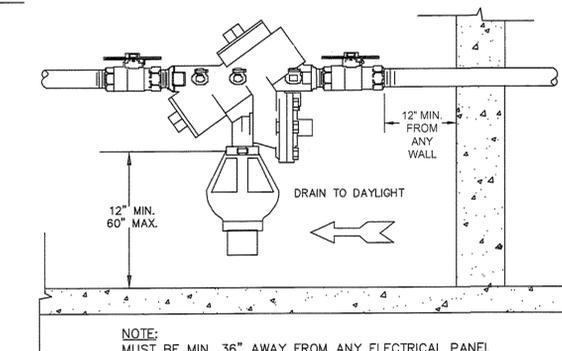
METER VAULT SECTION A-A

NOT TO SCALE



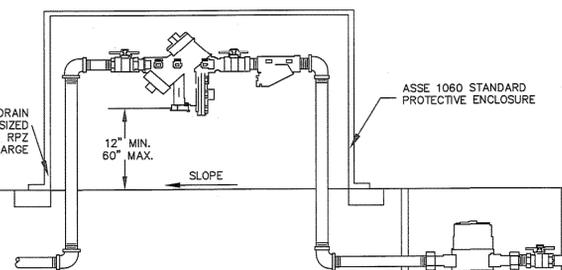
WATER METER VAULT FOR WATER METERS LARGER THAN 2"

NOT TO SCALE



NOTE: MUST BE MIN. 36" AWAY FROM ANY ELECTRICAL PANEL

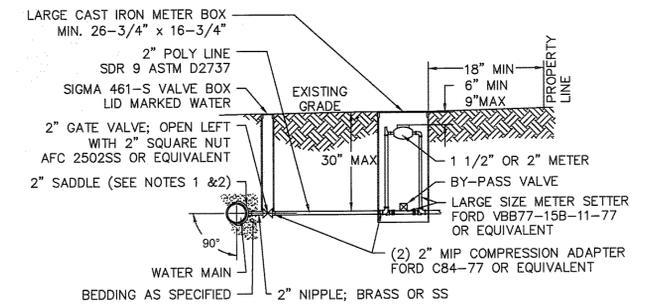
INDOOR HORIZONTAL INSTALLATION



- NOTE:**
- MUST BE MIN. 36" AWAY FROM ANY ELECTRICAL PANEL
 - VALVE REQ'D DOWNSTREAM OF BACKFLOW ASSEMBLY
 - VERTICAL INSTALLATION SHALL BE DESIGNED AND SUBMITTED TO CFPWA ESMO FOR APPROVAL

OUTDOOR HORIZONTAL INSTALLATION REDUCED PRESSURE PRINCIPLE ASSEMBLY

NOT TO SCALE

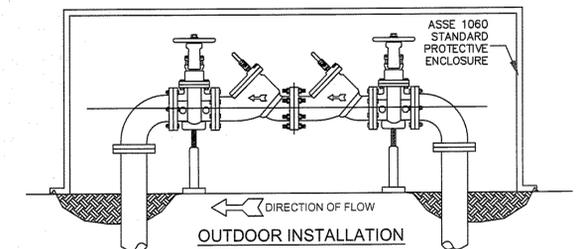


NOTES:

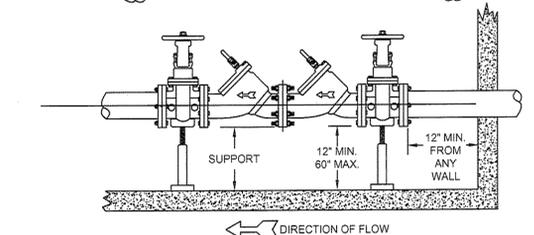
- ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
- SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY; McDONALD 3800, FORD S90 (DOUBLE STRAP) OR EQUIVALENT.
- METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (OLDCASTLE PRECAST MODEL B1730 OR APPROVED EQUIVALENT).
- METER BOXES SUSCEPTIBLE TO INCIDENTAL, NON-DELIBERATE TRAFFIC SHALL CONFORM TO ANSI/SCTE 77 TIER 15 LOAD RATING STANDARDS (SYNERTECH MODEL DUO 17x30 OR APPROVED EQUIVALENT).
- NON-TRAFFIC METER BOXES SHALL BE SIGMA MB2203 OR APPROVED EQUIVALENT.
- 3" CLEAN FILL REQUIRED ALL AROUND 2" POLY SERVICE LINE.

LARGE METER

FOR 1 1/2" OR 2" WATER SERVICES
NOT TO SCALE



OUTDOOR INSTALLATION



INDOOR INSTALLATION

DOUBLE CHECK VALVE ASSEMBLY

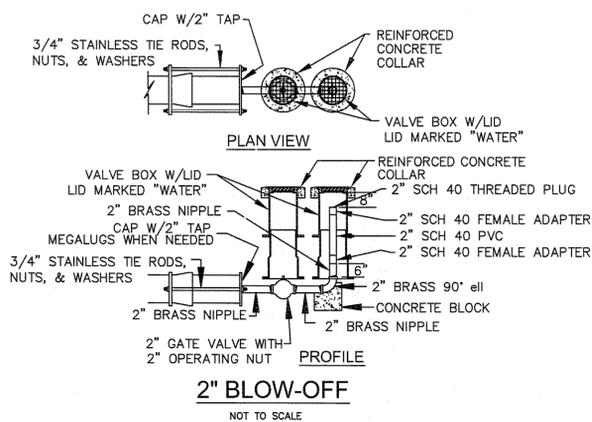
NOT TO SCALE

- NOTE:**
- MUST BE MIN. 36" AWAY FROM ANY ELECTRICAL PANEL
 - VALVE REQ'D DOWNSTREAM OF BACKFLOW ASSEMBLY
 - VERTICAL INSTALLATION SHALL BE DESIGNED AND SUBMITTED TO CFPWA ESMO FOR APPROVAL

GENERAL NOTES:

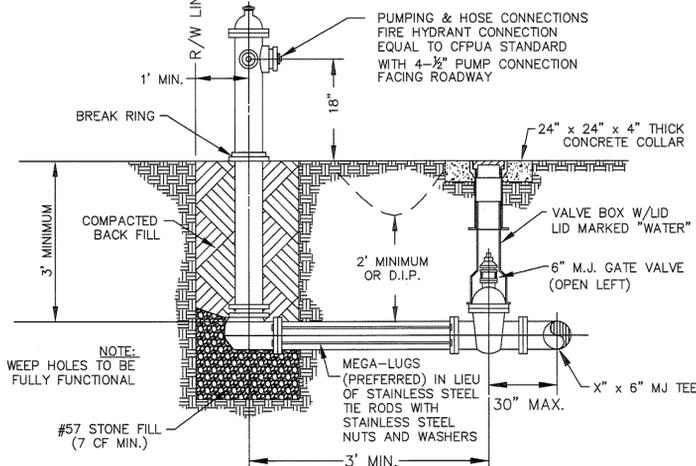
- NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
- THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN & STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE CFPWA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04



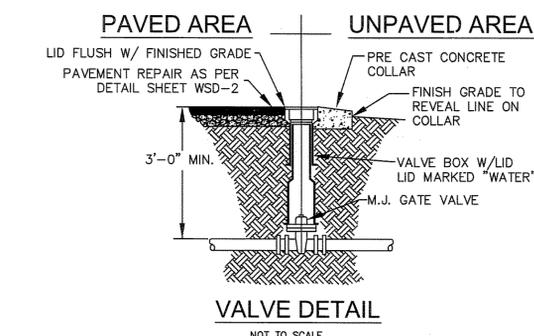
2" BLOW-OFF

NOT TO SCALE



FIRE HYDRANT ASSEMBLY

NOT TO SCALE

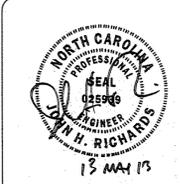


VALVE DETAIL

NOT TO SCALE



REV:	DESCRIPTION:	DATE:
1	Single Service Connection, Double Service Connection, and Large Meter Revised	10/26/12



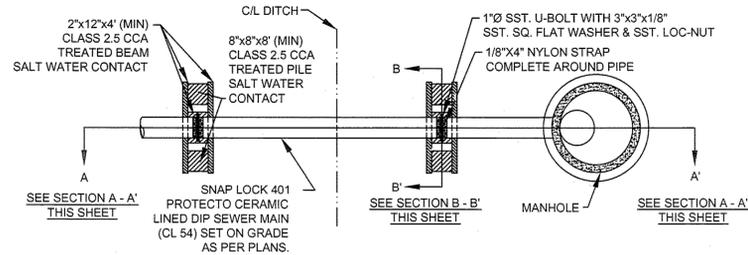
STANDARD DETAILS

CAPE FEAR PUBLIC UTILITY AUTHORITY
235 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
OFFICE: (910)332-6560

Stewardship. Sustainability. Service.

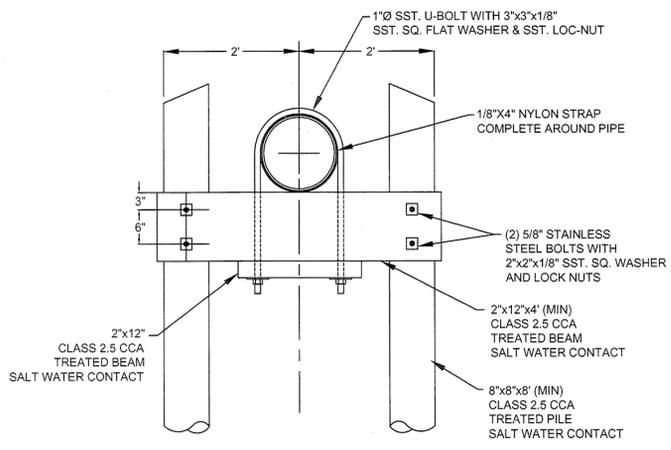
DATE: 1/9/12
SCALE: N/A
DRAWN BY: CFPWA
CHECKED BY: CFPWA
PROJECT NO.:

SHEET NO: WSD-1

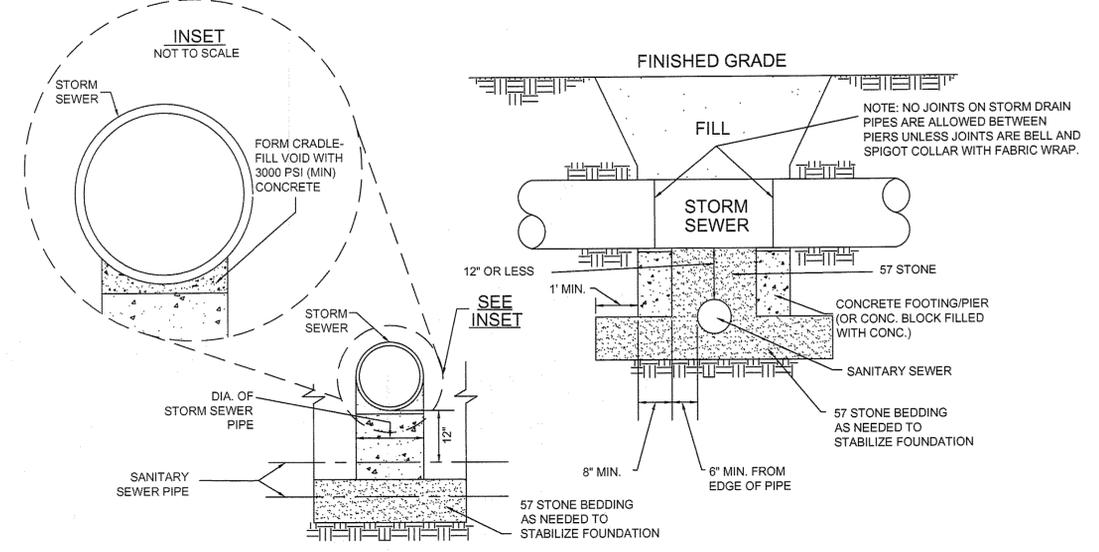


- NOTES:**
- (1) PILES AND PILE DRIVING SHALL CONFORM TO NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, JANUARY 2002, SECTIONS 445, 450, 1082-2 & 1084-2
 - (2) CENTERLINE OF BOLTS TO BE A MINIMUM OF 3" FROM OUTSIDE EDGE OF TIMBER. BOLTS TO BE A MINIMUM OF 3" CENTERLINE TO CENTERLINE
 - (3) ALL STAINLESS STEEL SHALL BE 316. STAINLESS STRAP TO BE COLD FORMED.
 - (4) PILE SHALL NOT OBSTRUCT FLOW OR CAUSE EROSION OF DITCH/STREAM BANK.
 - (5) MIN. CLASS 54 DIP-ENGINEER MUST DESIGN LOADING.
 - (6) DESIGN SHALL BE APPROVED BY CFPUA

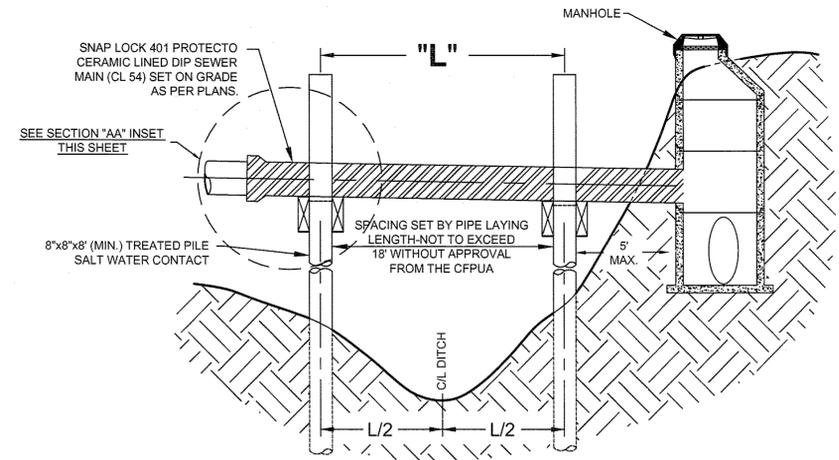
PILE AND BENT
NOT TO SCALE



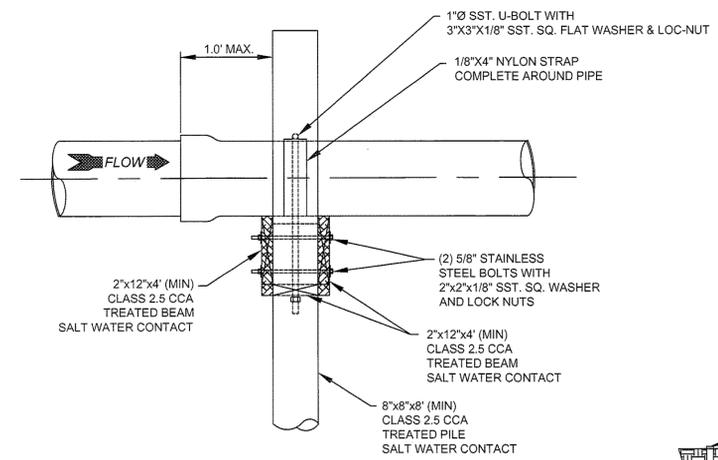
PILE AND BENT SECTION B - B'
NOT TO SCALE



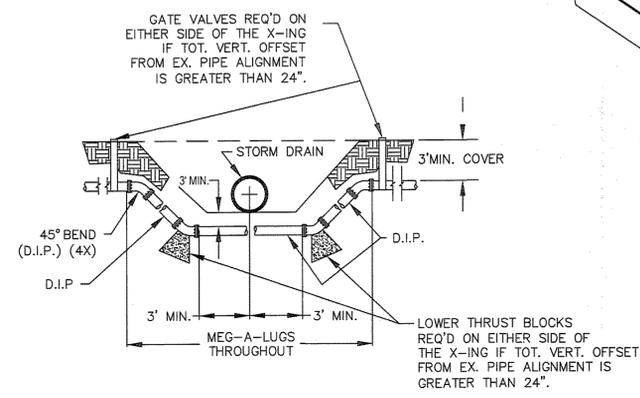
STRUCTURAL BRIDGING DETAIL FOR STORMWATER OVER GRAVITY SEWER INSTALLATIONS WITH LESS THAN 12" SEPARATION
NOT TO SCALE



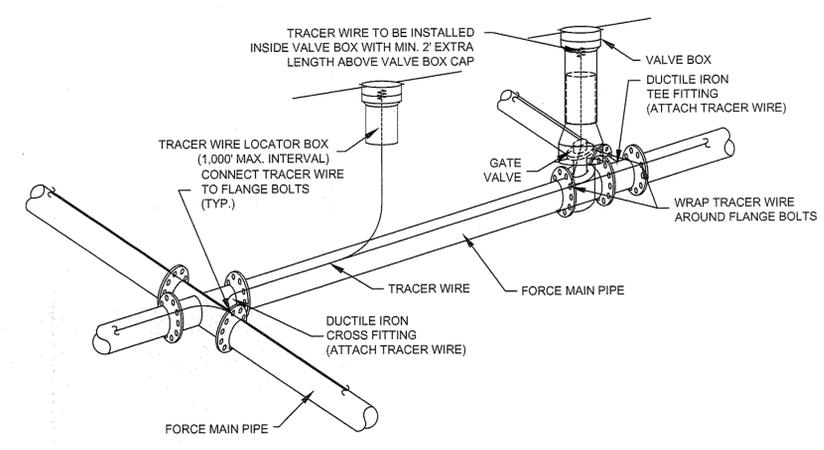
PILE AND BENT SECTION A - A' INSET
NOT TO SCALE



PILE AND BENT SECTION A - A' INSET
NOT TO SCALE



NOTE: USE D.I.P. (CL50 OR BETTER)
FORCE MAIN DITCH & STORM DRAIN CROSSING
NOT TO SCALE



TRACER WIRE DETAIL
NOT TO SCALE

NOTES:

1. TRACER WIRE SHALL BE #10 COPPER SOLID CORE COPPER WIRE WITH GAS AND OIL RESISTANT INSULATION
2. WIRE SHALL BE STRAPPED TO ALL PVC FORCE MAIN PIPING WITH DUCT TAPE AT 12-FT. INTERVALS.
3. SECURE WIRE TO ALL TEE AND CROSS FITTINGS.
4. ALL WIRE SPLICES SHALL HAVE WATER PROOF WIRE CONNECTIONS.

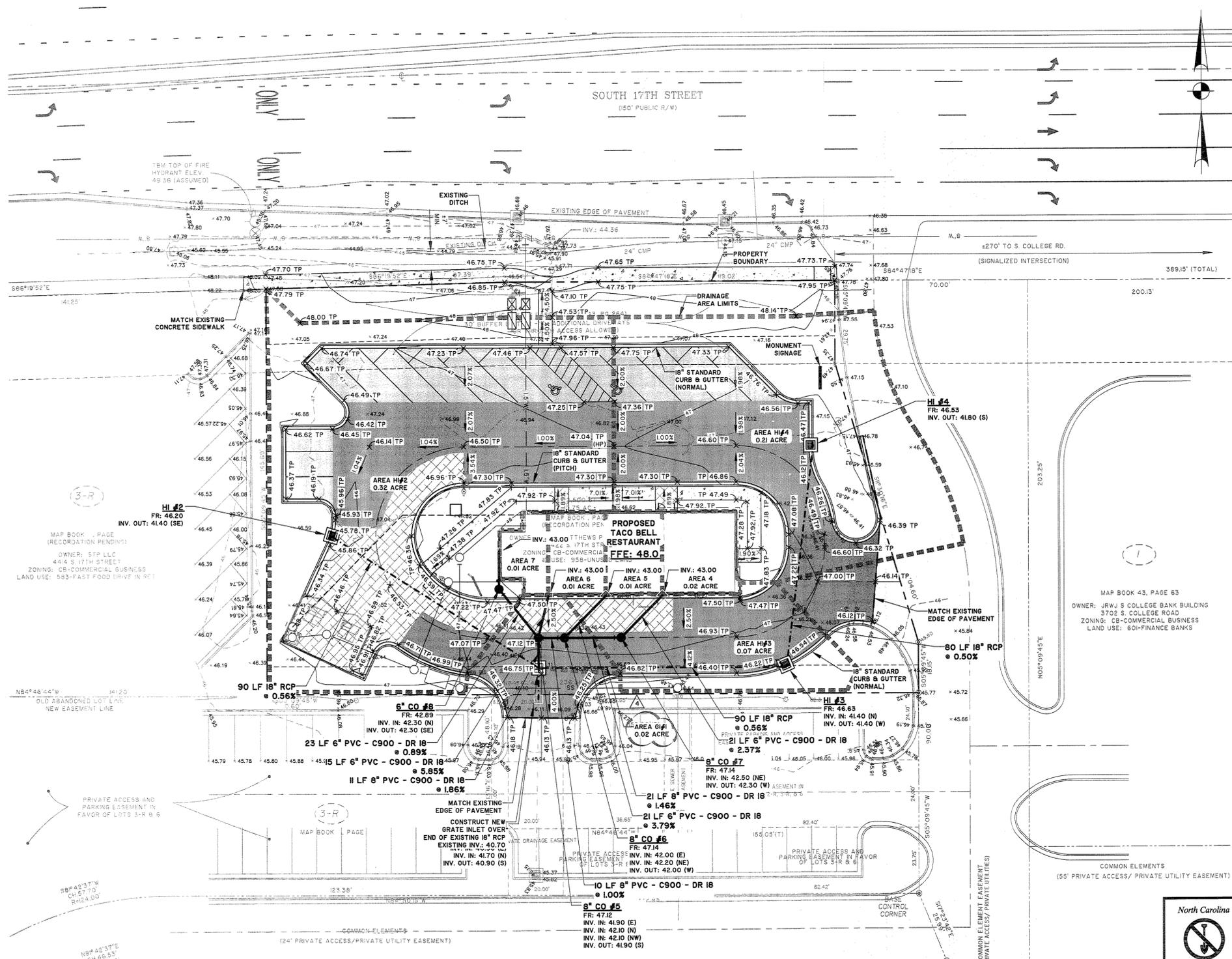
- GENERAL NOTES:**
1. NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
 3. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
 4. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN & STOCKPILE AREAS (TO ARRANGE AND INSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE CFPUA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04



REV:	DESCRIPTION:	DATE:

CFPUA SANITARY SEWER		DATE: 1/9/12
STANDARD DETAILS		SCALE: N/A
CAPE FEAR PUBLIC UTILITY AUTHORITY 235 GOVERNMENT CENTER DRIVE WILMINGTON, NC 28403 OFFICE: (910)332-6560		DRAWN BY: CFPUA
Stewardship. Sustainability. Service.		CHECKED BY: CFPUA
13 MAY 12		PROJECT NO.:
13 MAY 12		SHEET NO: SSD-3

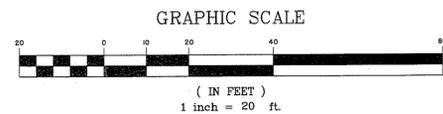


CITY OF WILMINGTON STANDARD NOTES:

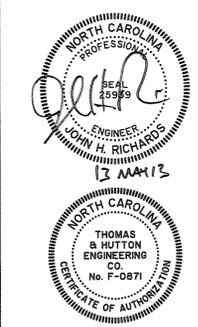
- PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- ANY BROKEN OR MISSING SIDEWALK PANELS WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- PROJECT SHALL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES CITY WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY'S CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFC/CCR OR ASSE.

NCDENR PERMIT & IMPERVIOUS AREA SUMMARY:

PROPERTY BOUNDARY AREA: 32,500 SF
 OFFSITE STORMWATER PERMIT #SW6 981023
 COASTAL WETLANDS: 0 SF
 PROPOSED ON-SITE IMPERVIOUS (BUA):
 BUILDING: 2,489 SF
 PARKING: 18,036 SF
 SIDEWALKS: 899 SF
 TOTAL: 21,514 SF
 PERCENT ON-SITE IMPERVIOUS: ±66%
 PROPOSED OFF-SITE IMPERVIOUS: 1,024 SF (SIDEWALK ALONG 17TH STREET)



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5-13-13	REVISED PER CITY
3-27-13	REVISED PER CITY

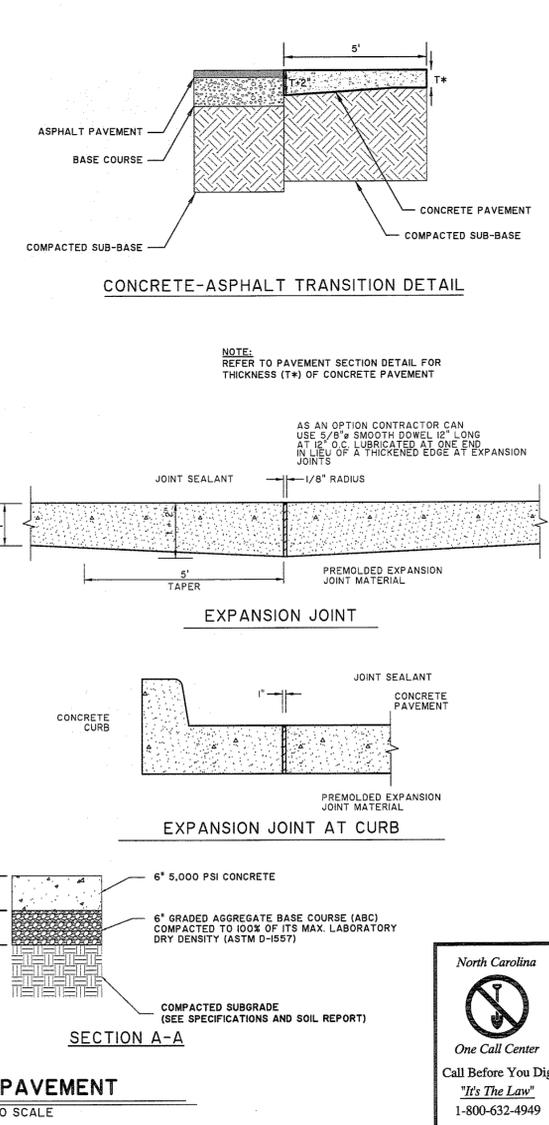
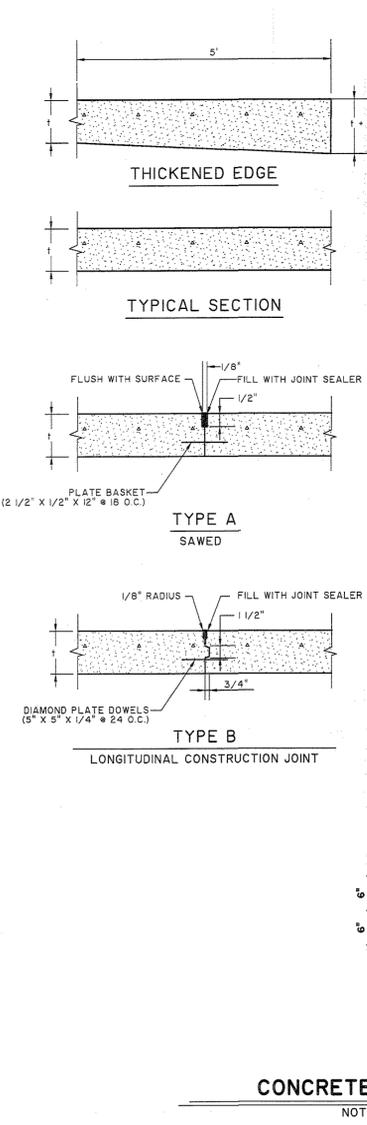
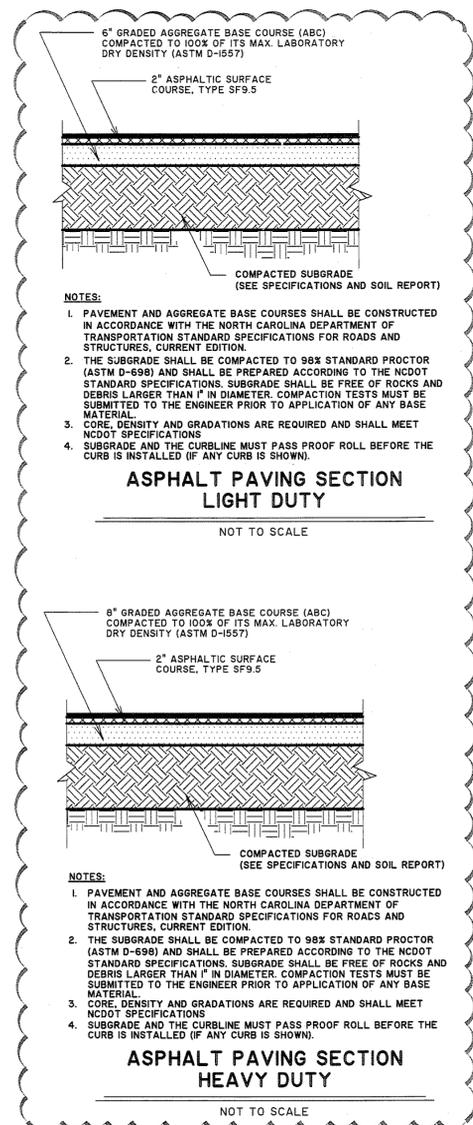
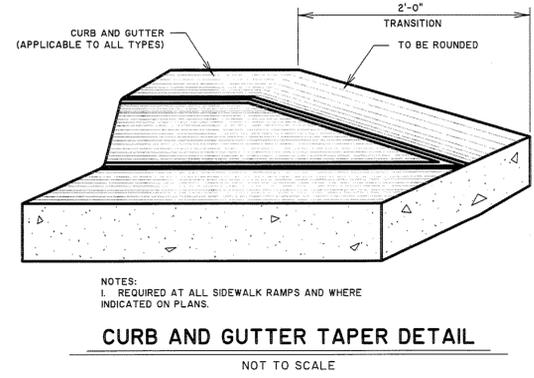
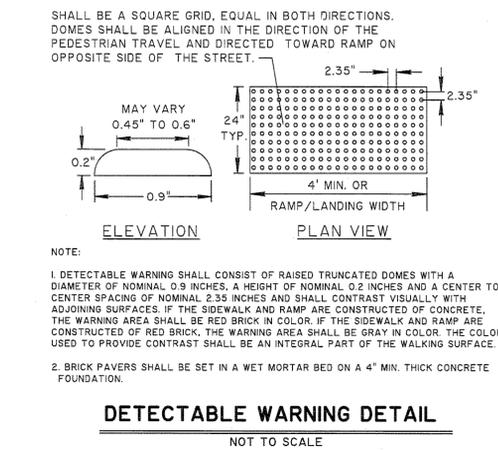
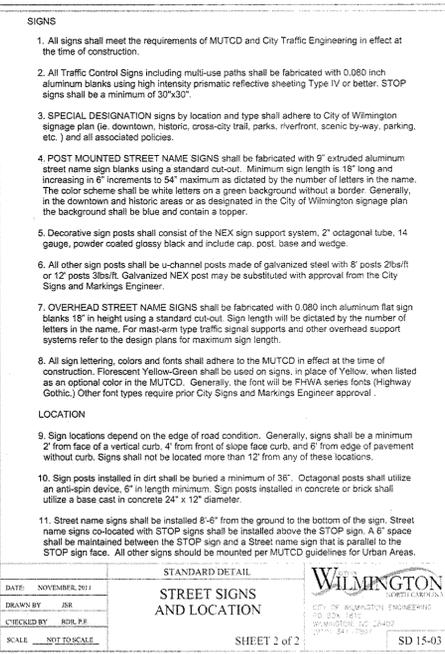
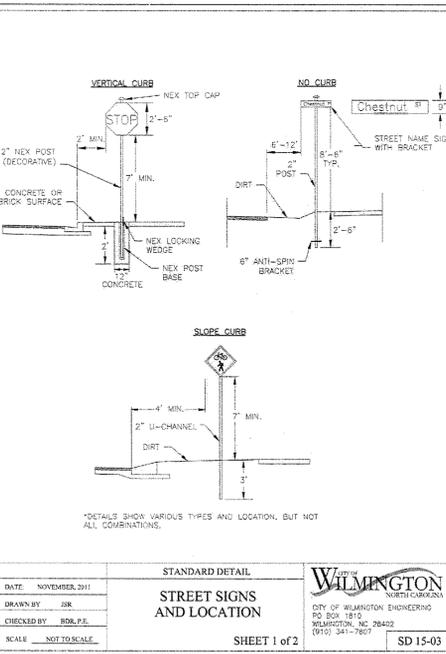
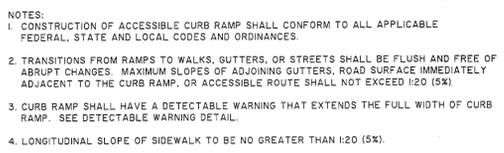
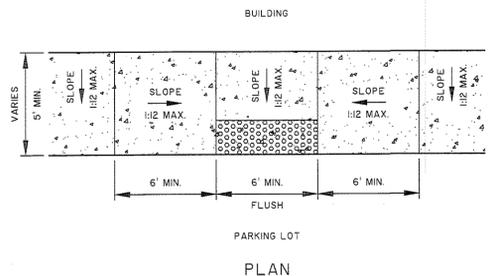
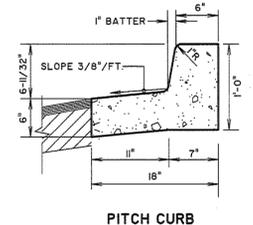
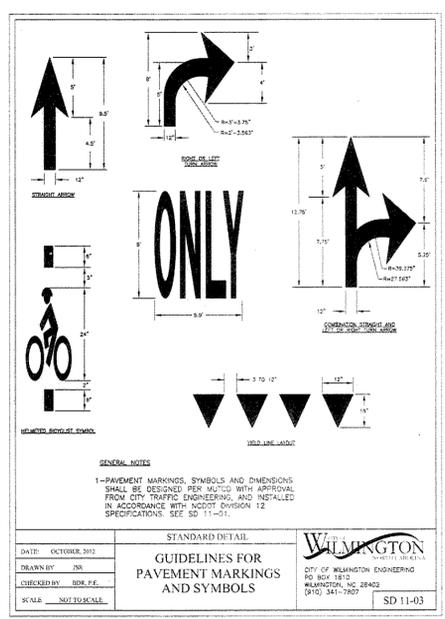
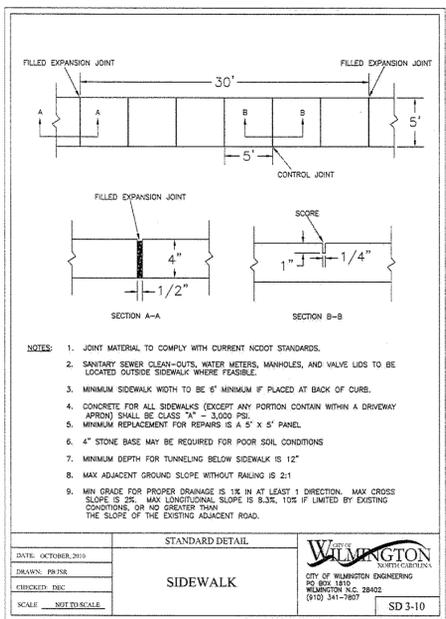
CONTRACT DATE: XX.XX.XX
 BUILDING TYPE: LARGE 50 NI
 PLAN VERSION: AUGUST 2012
 SITE NUMBER: 12-0276
 STORE NUMBER: XXXXX

TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC



SHEET TITLE:
PAVING, GRADING, AND DRAINAGE PLAN
 JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: KWL
 DESIGNED: KWL
 REVIEWED: JHR
 APPROVED: JHR
 SCALE: 1" = 20'

SHEET NO:
C3.1



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North Carolina Professional Engineer
 JOHN W. RICHARDS
 No. F-0871

THOMAS & HUTTON ENGINEERING CO.
 No. F-0871

CONTRACT DATE: XX.XX.XX
 BUILDING TYPE: LARGE 50 NI
 PLAN VERSION: AUGUST 2012
 SITE NUMBER: 12-0276
 STORE NUMBER: XXXXX

TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC

LARGE 50 NI

PAVING, GRADING, AND DRAINAGE DETAILS

JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: KWL
 DESIGNED: KWL
 REVIEWED: JHR
 APPROVED: JHR
 SCALE: 1" = 1'

North Carolina
 One Call Center
 Call Before You Dig
 "It's The Law"
 1-800-632-4949

C4.1

SOUTH 17th STREET

STREET YARD LANDSCAPING AND PARKING AREA SCREENING
 4268 S.F. OF STREET YARD AREA
 1 TREE AND 6 SHRUBS / 600 S.F.
 7 TREES AND 43 SHRUBS PROVIDED
 SHRUBS ALSO PROVIDE 3' HIGH BY 5' WIDE SCREENING AS FACILITY IS WITHIN 50' OF R.O.W.

INTERIOR SHADE REQUIREMENT
 16,882 S.F. PARKING FACILITY
 20% REQUIRED TO BE SHADED = 3376 S.F.
 3424 S.F. TO BE SHADED BY PROPOSED TREES

FOUNDATION PLANTING
 AREA OF BUILDING FACE x 12% =
 REQUIRED FOUNDATION
 PLANTING AREA

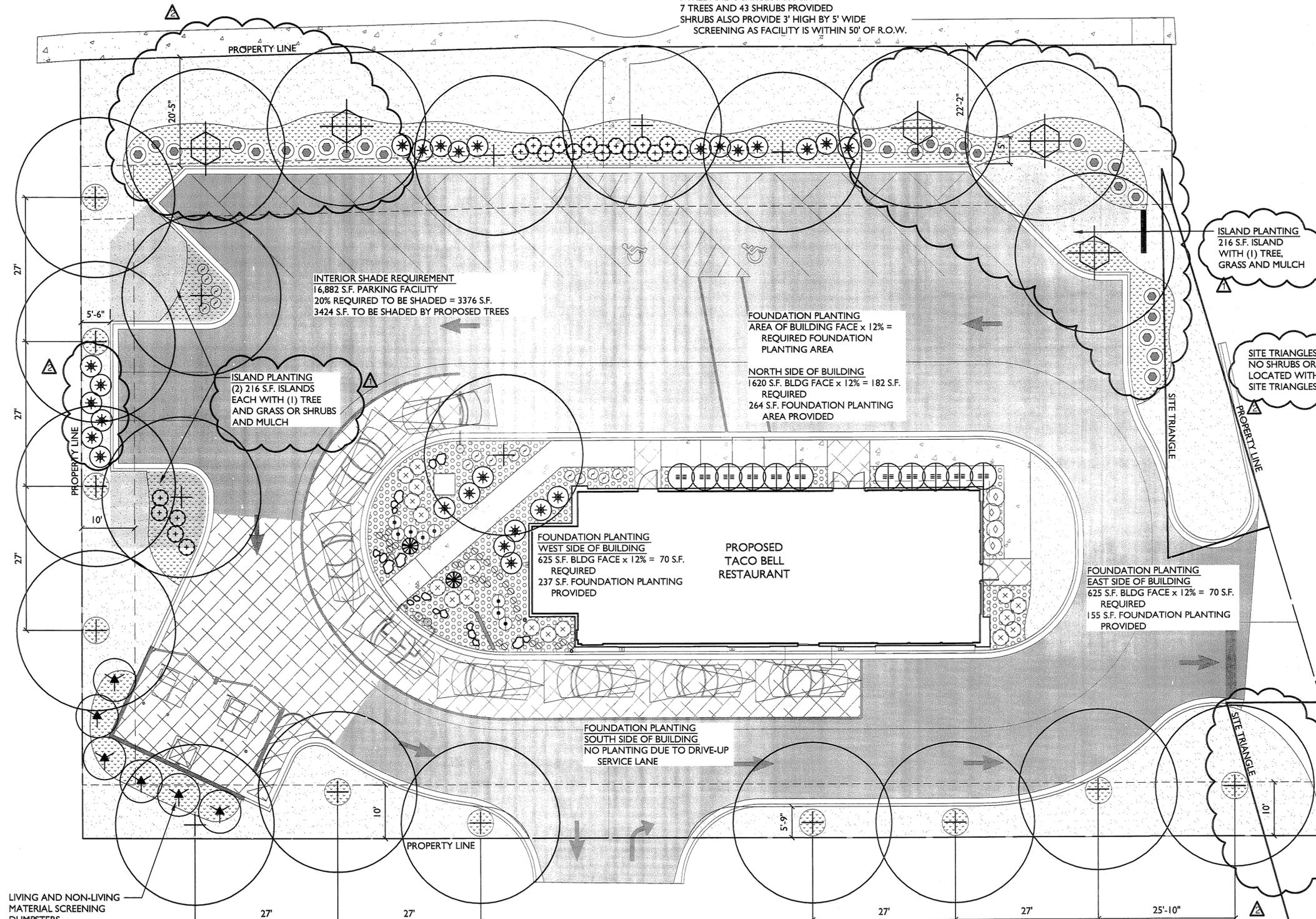
NORTH SIDE OF BUILDING
 1620 S.F. BLDG FACE x 12% = 182 S.F.
 REQUIRED
 264 S.F. FOUNDATION PLANTING
 AREA PROVIDED

FOUNDATION PLANTING
 WEST SIDE OF BUILDING
 625 S.F. BLDG FACE x 12% = 70 S.F.
 REQUIRED
 237 S.F. FOUNDATION PLANTING
 PROVIDED

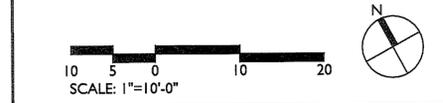
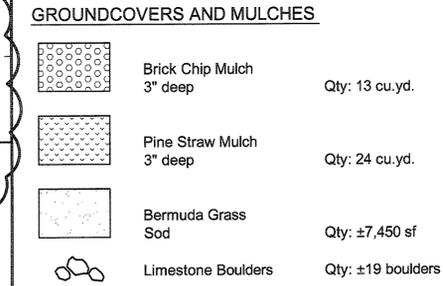
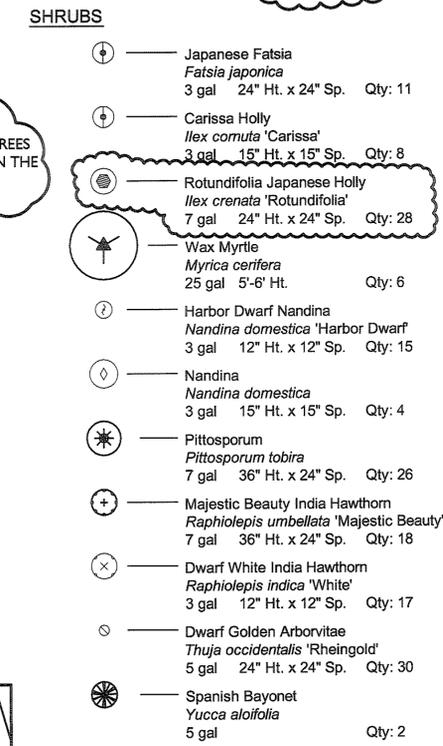
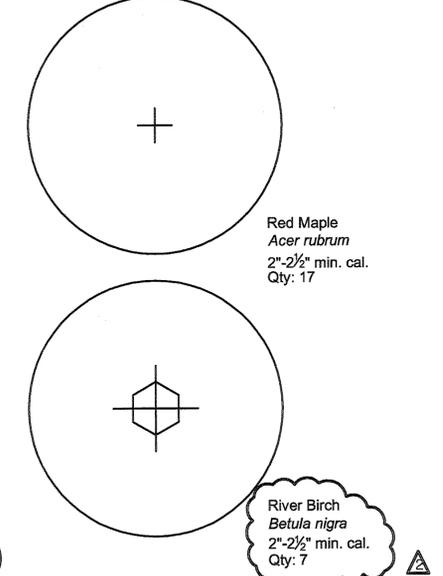
PROPOSED TACO BELL RESTAURANT

FOUNDATION PLANTING
 EAST SIDE OF BUILDING
 625 S.F. BLDG FACE x 12% = 70 S.F.
 REQUIRED
 155 S.F. FOUNDATION PLANTING
 PROVIDED

FOUNDATION PLANTING
 SOUTH SIDE OF BUILDING
 NO PLANTING DUE TO DRIVE-UP SERVICE LANE



PLANTING LEGEND



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SageDesign
 SageDesign PLLC
 Sara Burroughs, RLA
 228 North Front Street
 Suite 202D
 Wilmington, NC 28401
 Ph. (910)232-3878
 sara@sagedesign.us

DATE	REVISION
03-14-2013	PLAN REVIEW COMMENTS
05-08-2013	PLAN REVIEW COMMENTS

CONTRACT DATE: XX.XX.XX
 BUILDING TYPE: TB07-BRB
 PLAN VERSION: XXX 20XX
 SITE NUMBER: XXXXXX
 STORE NUMBER: XXXXX

TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC

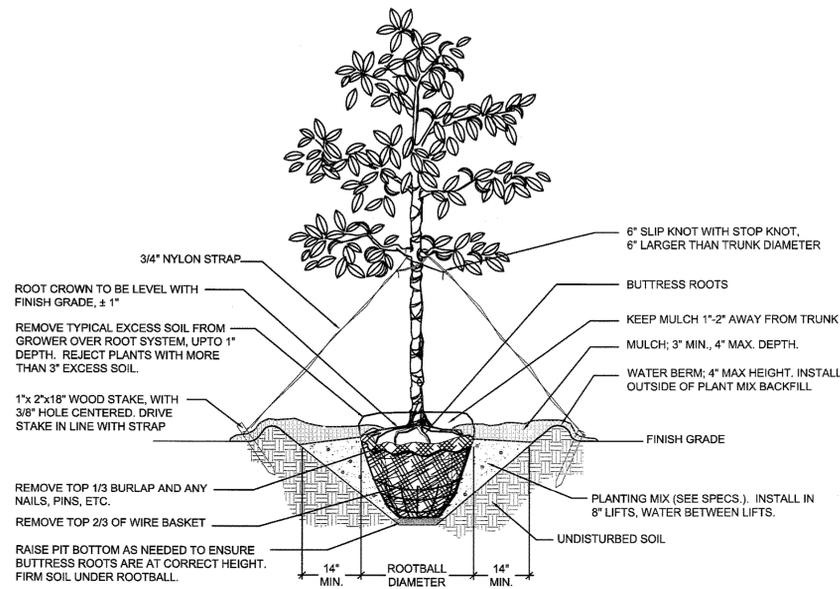


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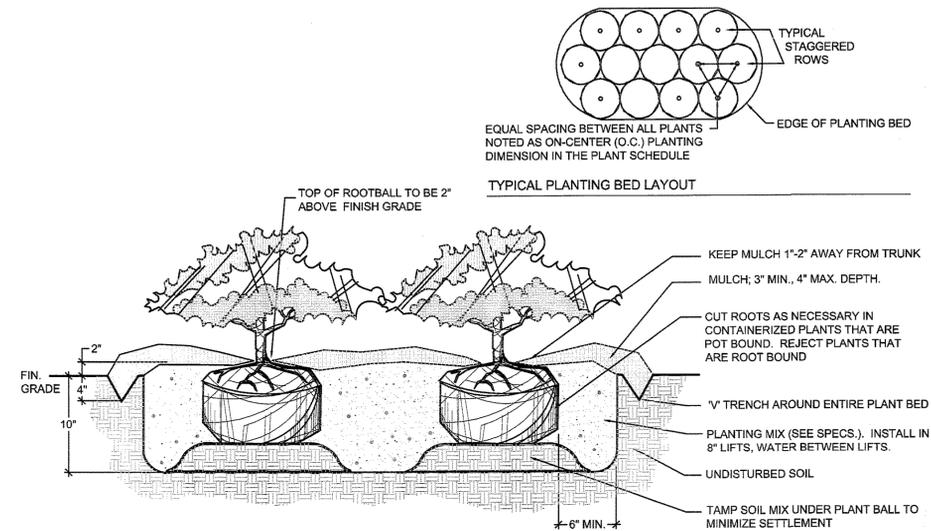
PLANTING PLAN

JOB NO: J-####
 DATE: 2/11/13
 DRAWN BY: ####
 DESIGNED BY: ####
 REVIEWED: ####
 APPROVED: ####
 SCALE: 1"=10'-0"

SHEET NO:
L1.01



A SINGLE STEM TREE INSTALLATION DETAIL
SCALE: NTS



B SHRUB INSTALLATION DETAIL
SCALE: NTS

PLANT MATERIAL NOTES

1. ALL PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN.
2. CONTAINERIZED PLANTS SHALL HAVE A ROOT SYSTEM SUFFICIENT ENOUGH IN DEVELOPMENT TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER. THE ROOT SYSTEM SHALL NOT BE ROOT BOUND, A CONDITION WHERE THE ROOT SYSTEM IS DENSE IN MASS, EXCESSIVELY INTERTWINED, AND HAS ESTABLISHED A CIRCULAR GROWTH PATTERN.
3. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
4. PLANTS SHALL NOT BE PRUNED PRIOR TO DELIVERY UNLESS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SHIPMENT.
5. ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
6. TOPSOIL AMENDMENTS REQUIRED FOR SOIL MIXES SHALL BE PROVIDED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR MUST LOAD, HAUL, MIX AND SPREAD ALL TOPSOIL AND OTHER SOIL ADDITIVES AS REQUIRED ON SITE.
7. CONTRACTOR SHALL VERIFY AND/ OR AMEND ALL PLANTING SOILS TO ENSURE PROPER SUITABILITY INCLUDING STATE RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND SOIL AMENDMENTS TO BE ADDED TO PRODUCE QUALITY PLANTING SOIL FOR ALL PLANT MATERIAL TO SURVIVE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PLANTING PITS PERCOLATE PROPERLY PRIOR TO PLANTING INSTALLATION.
9. SHRUBS, BULBS, AND GROUNDCOVERS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS AND/OR IN THE PLANT SCHEDULE.
10. THE CONTRACTOR SHALL THE VERIFY EXTENT OF SEEDING OR SOD AREA WITH OWNER REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

TREE INSTALLATION NOTES

1. ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI, 1990, PART 1, 'SHADE AND FLOWERING TREES').
2. TREES SUPPLIED MUST HAVE BEEN PROPERLY PLANTED AND GROWN IN THE NURSERY. THE ROOT CROWN (ALSO CALLED THE TRUNK FLARE) SHALL BE EVIDENT NEAR THE TOP OF THE GROUND. ANY EXCESS SOIL, UP TO 3 INCHES COVERING THE CROWN WILL HAVE TO BE REMOVED CAREFULLY BY HAND, IN ORDER TO PREVENT ROOT SCRAPES. THE TREE IS THEN TO BE PLANTED WITH THE ROOT CROWN IN PROPER RELATION TO THE SURROUNDING GRADE. ANY TREES WITH MORE THAN 3 INCHES OF SOIL ON TOP OF THE ROOT CROWN WILL BE REJECTED. THE NURSERY OWNERS MAY DIG OVERSIZE BALLS AND REMOVE THE SOIL IN ORDER FOR THE ROOT SYSTEM DIAMETER (WHICH IS THE REQUIRED ROOT BALL DIAMETER) TO MEET THE SPECIFICATION FOR THE TRUNK CALIPER REQUIRED.
3. BALL AND BURLAPPED (B&B) PLANTS MUST HAVE FIRM, NATURAL BALLS OF EARTH, OF DIAMETER NOT LESS THAN RECOMMENDED IN THE 'TREE AND SHRUB TRANSPLANTING MANUAL', AND BE OF SUFFICIENT DEPTH TO INCLUDE THE FIBROUS AND FEEDING ROOTS. PLANTS MOVED WITH A BALL WILL NOT BE ACCEPTED IF THE BALL IS DRY, CRACKED OR BROKEN BEFORE OR DURING PLANTING OPERATIONS.
4. REMOVE ALL TREATED OR PLASTIC-COATED BURLAP, STRAPPING, WIRE OR NYLON TWINE FROM ROOT BALL. AFTER SETTING IN HOLE, CUT AWAY 2/3 OF WIRE BASKET, IF ANY, AND TOP 1/3 OF BURLAP.
5. SOAK ROOT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.
6. CONSTRUCT 4" HIGH SAUCER (WATER BERM) OUTSIDE OF PLANT MIX BACK FILL.
7. WHERE TREES ARE PLANTED IN ROWS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
8. NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER REPRESENTATIVE EXCEPT WHERE NOTED ON PLANS. NO GRUBBING SHALL OCCUR WITHIN EXISTING TREE AREAS.
9. THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PROPOSED TREES AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT AND OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
10. ALL TREES SHALL BE STAKED AT TIME OF INSTALLATION IN ACCORDANCE WITH PLANTING DETAILS.
11. THE CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE DURATION OF THE GUARANTEE PERIOD.
12. STAKES FOR TREE SUPPORT SHALL BE CONSTRUCTED OF 2"x2" x18' UNTREATED PINE. GUYING FABRIC SHALL BE 'ARBOR TAPE', AS MANUFACTURED BY NEPTCO, PAWTUCKET, RI. (401)722-5500 (OR APPROVED EQUAL). COLOR SHALL BE OLIVE DRAB.

SHRUB INSTALLATION NOTES

1. CUT ROOTS AS NECESSARY IN CONTAINERIZED PLANTS THAT ARE POT BOUND. REJECT PLANTS THAT HAVE GIRDLED ROOT OR ARE BOUND.
2. INSTALL TOP OF PLANT BALL 2" ABOVE ADJACENT GRADE.
3. TAMP PLANT SOIL MIX FIRMLY IN 8" LIFTS AROUND PLANT BALL.
4. SOAK PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.

CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	TB07-BRB
PLAN VERSION:	XXX 20XX
SITE NUMBER:	XXXXXX
STORE NUMBER:	XXXXX

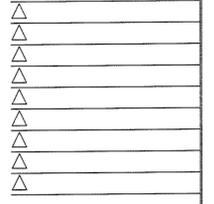
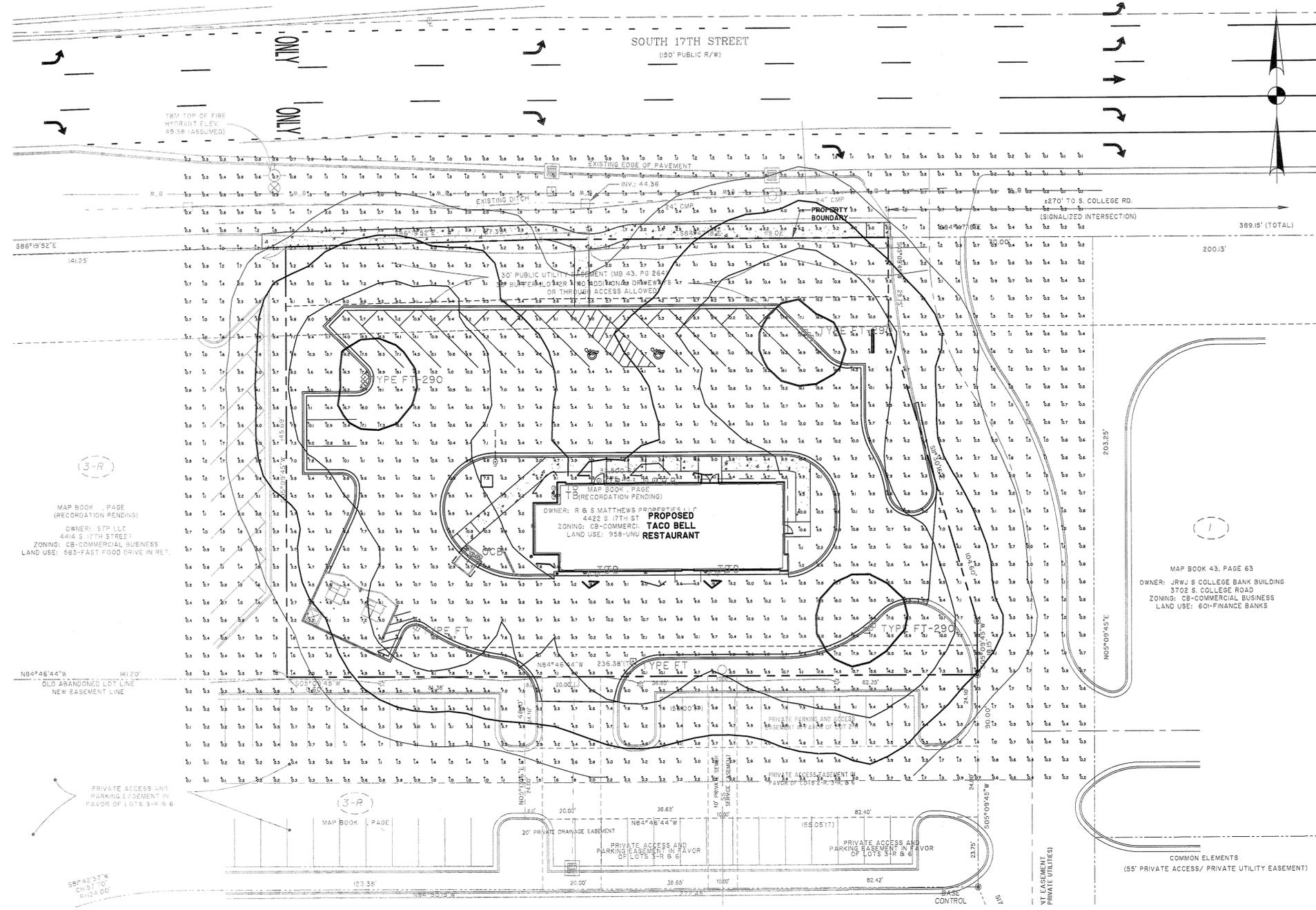
TACO BELL
4422 SOUTH 17TH STREET
FULTON STATION, NC



SHEET TITLE:
**PLANTING
DETAILS AND
NOTES**

JOB NO: J-###
DATE: 2/11/13
DRAWN BY: ###
DESIGNED: ###
REVIEWED: ###
APPROVED: ###
SCALE: ---

SHEET NO:
L1.02



CONTRACT DATE: XXXXXX
 BUILDING TYPE: LARGE 50 NI
 PLAN VERSION: AUGUST 2012
 SITE NUMBER: 12-0278
 STORE NUMBER: XXXXXX

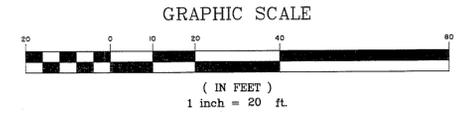
TACO BELL
 4422 SOUTH 17TH STREET
 FULTON STATION, NC



SHEET TITLE:
LIGHTING PLAN

JOB NO: J-24078.0001
 DATE: 02-12-2013
 DRAWN BY: ---
 DESIGNED: ---
 REVIEWED: ---
 APPROVED: ---
 SCALE: 1" = 20'

SHEET NO:
E1.1



TACO BELL
 4422 S. 17TH ST.
 FULTON STATION, NC
 PREPARED BY: JOHN BUJAKE
 ACCUSERV LIGHTING & EQUIPMENT
 877-707-7378
 502-961-0357 FAX
 jbukake@accu-serv.com
 MARCH 8, 2013

Statistical Area Summary					
Project: All Projects					
Label	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT SURFACE	9.77	19.6	2.6	3.76	7.54
DRIVE-THRU LANE SURFACE	10.34	19.3	7.1	1.46	2.72

LIGHT LEVELS ARE MAINTAINED FOOT-CANDLES. INITIAL LEVELS ARE SLIGHTLY HIGHER

Luminaire Schedule							
Project: All Projects							
Symbol	Qty	Label	Arrangement	Lumens	LLF	Watts	Description
OCB	1	OCB	SINGLE	12500	0.700	185	TACO BELL - ORDER POINT CANOPY
TB	9	TB	SINGLE	1230	0.900	36	ACCU 05247-051-052 @ 9.17' A.F.G.
TYPE FT	2	TYPE FT	SINGLE	110000	0.720	1080	ACCU 95200-FPIO / 95200-5255
TYPE FT-290	3	TYPE FT-290	2 @ 90 DEGREES	110000	0.720	1080	ACCU (2) 95200-FPIO / 95200-525090

SITE FIXTURES ARE 1000W METAL HALIDE w/ SAG LENSES
 POLES ARE 25'-0" FOR AN OVERALL FIXTURE MOUNTING HEIGHT OF 27'-6" A.F.G.