

REVISIONS		
No./Date	Description	By



SITE DATA:

PROPERTY OWNER: WINSTON SALEM DG, LLC
 PROJECT ADDRESS: 4712 NEW CENTRE DRIVE
 PIN NUMBER: R04911-001-018-000

AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.
 ZONING DISTRICT: RB-REGIONAL BUSINESS
 DISTURBED AREA: 1.86 Ac.

SETBACKS REQUIRED: FRONT: 25', REAR: 15', SIDE: 0', CORNER: 25'

PROPOSED BUILDING SETBACKS: FRONT: 136', REAR: 62', SIDE: (SOUTH) 69' / (NORTH) 89'

TRACT AREA (LOT 3R): 212,423 SF (4.88± AC)
 TRACT AREA (PART OF 3R): 103,332 SF (2.37± AC)
 BUILDING USE (PART OF 3R): RESTAURANT/RETAIL

EXISTING BUILDING AREA: 17,554 SF
 PROPOSED BUILDING AREA (GROSS): 14,924 SF
 BUILDING LOT COVERAGE (32,478/212,423): 15.3%
 NUMBER OF BUILDINGS (LOT 3R): 2
 NUMBER OF UNITS (PART OF 3R): 8
 BUILDING HEIGHT (PART OF 3R): 25'
 NUMBER OF STORIES (PART OF 3R): 1
 SF PER FLOOR (GROSS) (PART OF 3R): 19,924 SF

EXISTING IMPERVIOUS AREAS:
 EXISTING BUILDING: 17,554 SF
 EXISTING ASPHALT + CURB: 60,080 SF
 EXISTING CONCRETE (SIDEWALK/DRIVEWAY): 4,665 SF
 EXISTING IMPERVIOUS AREA: 82,299 SF (38.7%)

PROPOSED IMPERVIOUS AREAS:
 PROPOSED BUILDING FOOTPRINT: 14,924 SF
 PROPOSED ASPHALT + CURB: 46,385 SF
 PROPOSED CONCRETE (SIDEWALK/DUMPSTER): 6,268 SF
 PROPOSED IMPERVIOUS AREA: 67,577 SF (65.4%)

EXISTING IMPERVIOUS TO REMAIN: 80,978 SF
 FUTURE DEVELOPMENT: 21,503 SF
 TOTAL IMPERVIOUS AREA: 170,058 SF (80%)

PART OF 3R
 PARKING REQUIRED:
 RESTAURANT (EXCLUDES KITCHEN & RESTROOMS)
 1 SPACE PER 60 SF MIN.
 1 SPACE PER 65 SF MAX.
 4000/80=50 MIN. 4000/65=62 MAX. 50-62 SPACES

RETAIL
 1 SPACE PER 400 GROSS SF MIN.
 1 SPACE PER 200 GROSS SF MAX.
 8,974/400=23 MIN. 8,974/200=45 MAX. 23-45 SPACES

TOTAL PARKING REQUIRED: 73-107
 PARKING PROPOSED: 85

CAMA LAND USE: URBAN
 PUBLIC WATER AND SEWER BY CFPWA
 EXISTING WATER FLOW: 0 GPD
 EXISTING SEWER FLOW: 0 GPD
 PROPOSED WATER FLOW: 1,970 GPD
 (120 GPD/1,000 SF x 14,924 x 110%)
 PROPOSED SEWER FLOW: 1,791 GPD
 (120 GPD/1000 SF x 14,924 SF)

HANDICAP SPOTS REQUIRED (1-25 SPOTS = 1 HANDICAP SPOT)
 85 SPOTS/25=3.4 4 HANDICAP SPOTS
 BICYCLE PARKING REQUIRED (85 SPACES) 10 BICYCLE PARKS
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Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

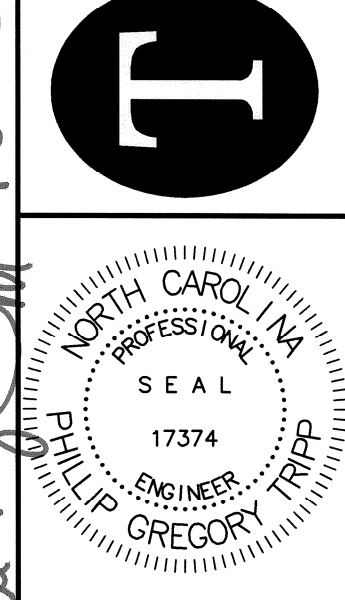
STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

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SITE AND UTILITY PLAN
NEW CENTRE LOT 3R
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2015 TRIPP ENGINEERING, P.C.
 LICENSE NO. 10715



DATE 01-07-15
 DESIGN PGT
 DRAWN EJW

C2

SHEET 2 OF 4
 14013

- NOTES:**
- 1) TOPOGRAPHY AND TREE SURVEY COMPLETED BY ARNOLD CARSON, PLS.
 - 2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
 - 3) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - 4) EXISTING EASEMENTS AS SHOWN.
 - 5) CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 - 6) UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.

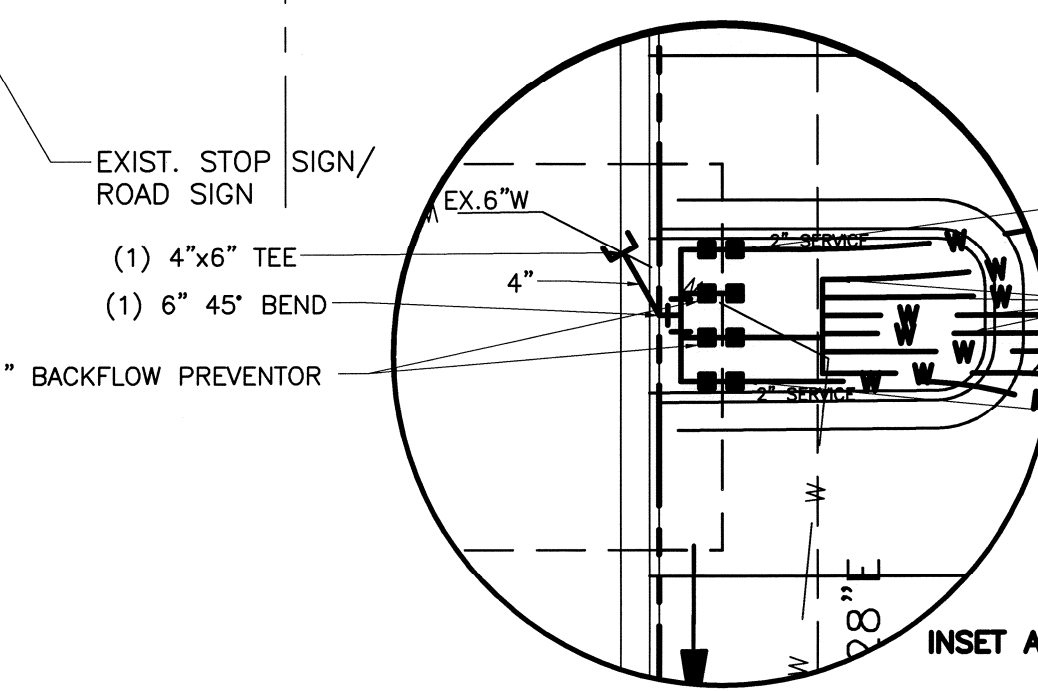
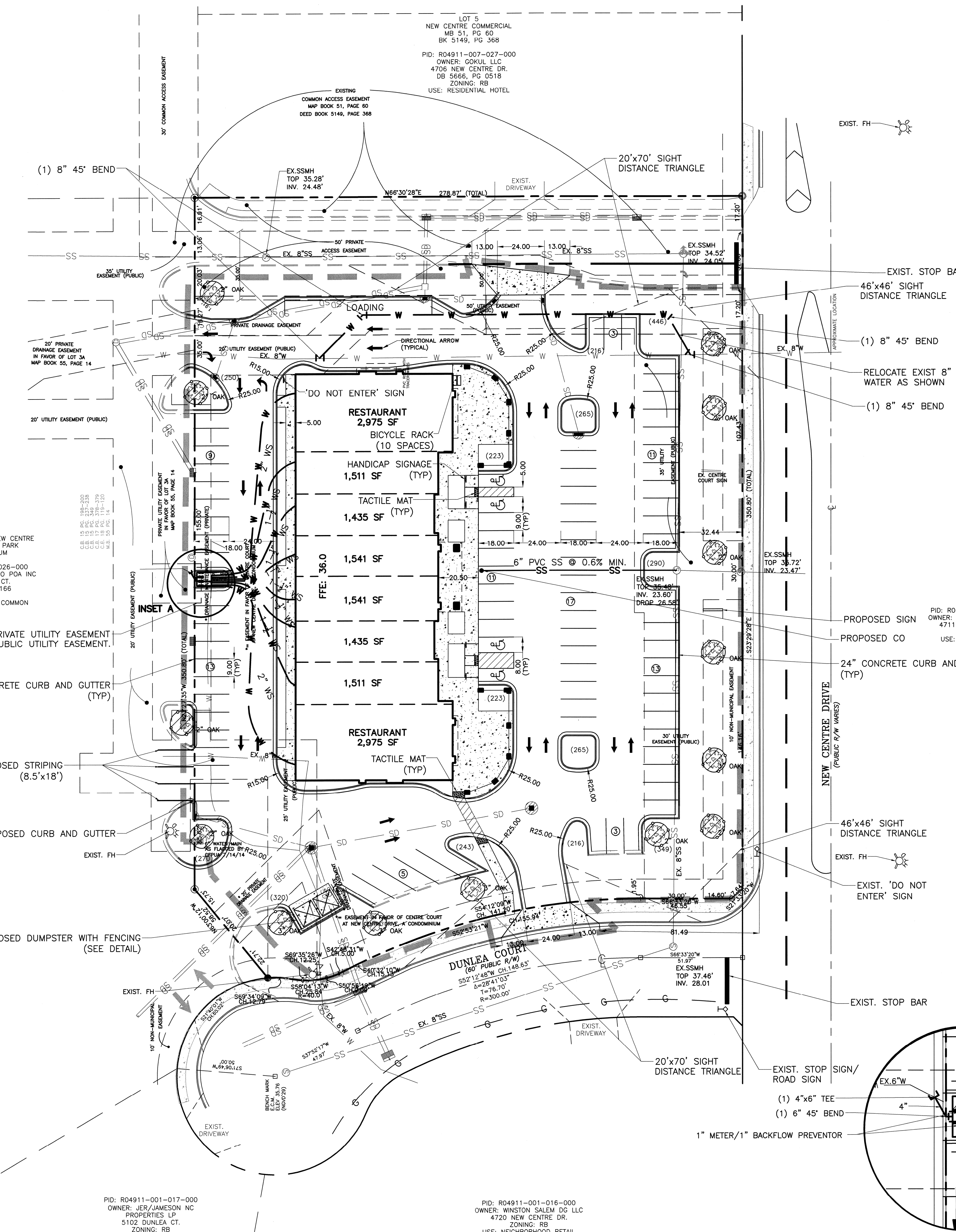
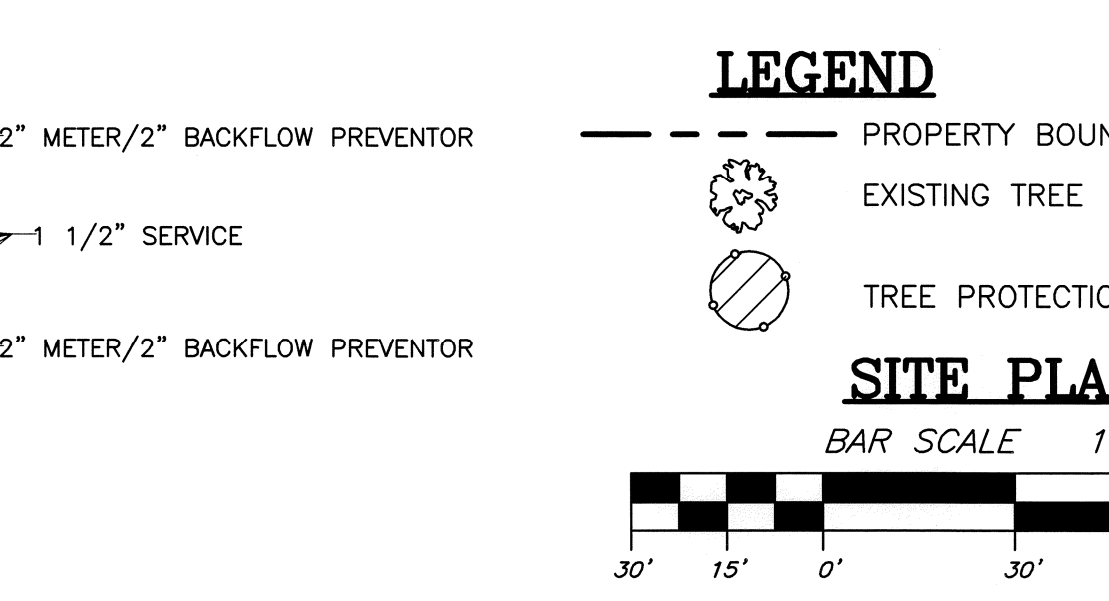
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 1) SITE TO USE ON-SITE DUMPSTER.

- TRAFFIC**
- 1) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - 2) 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.
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 - 4) CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 - 5) ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - 6) CONTACT KAREN DIXON AT 741-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 - 7) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - 8) NO ROWS TO BE CLOSED.
 - 9) NO STREETS PROPOSED.
 - 10) OFF SITE PARKING PROPOSED AS SHOWN.
 - 11) DRIVEWAYS TO MEET CITY STANDARDS.
 - 13) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - 14) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
 - 15) TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.

- LANDSCAPING**
- 1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
 - 2) NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.
 - 3) 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.
 - 4) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
 - 5) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SIGNS IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

- CFPUA**
- 1) WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
 - 2) PROJECT SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
 - 3) IF THE CONTRACTOR DESIRES CFPUA 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.
 - 4) ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA'S CONNECTION CONTROL REGULATION. CALL 332-6419 FOR INFORMATION.
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 - 6) PUBLIC WATER AND SEWER EXIST WITHIN SITE. EXISTING EASEMENTS AS SHOWN.
 - 7) CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.
 - 8) ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
 - 9) CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.

- DRAINAGE**
- 1) CURB INLETS 1 THROUGH 7 DRAIN IN A NORTHWEST DIRECTION TO AN EXIST. 24" RCP.
 - 2) CURB INLETS 8 AND 9 AND DROP INLETS 1 AND 2 DRAIN IN A NORTHWEST DIRECTION TO AN EXIST. 18" RCP.
 - 3) ALL OUTFALLS DRAIN TO EXIST. OFF-SITE POND.
 - 4) THIS SITE IS APPROVED UNDER STATE STORMWATER PERMIT No. SW8 980620 MODIFICATION AND CITY STORMWATER DISCHARGE PERMIT No. 98048



PID: R04911-001-017-000
 OWNER: JER/JAMESON NC PROPERTIES LP
 5102 DUNLEA CT.
 ZONING: RB
 USE: RESIDENTIAL HOTEL

PID: R04911-001-016-000
 OWNER: WINSTON SALEM DG LLC
 4720 NEW CENTRE DR.
 ZONING: RB
 USE: NEIGHBORHOOD RETAIL

PID: R04911-001-026-000
 OWNER: CENTRE CONDO POA INC
 5101 DUNLEA CT.
 DB 5472, PG 166
 ZONING: RB
 USE: CONDOMINIUM COMMON AREA

LOT 5
 NEW CENTRE COMMERCIAL
 MB 51, PG 60
 BK 5149, PG 368
 PID: R04911-007-027-000
 OWNER: GOKUL LLC
 4706 NEW CENTRE DR.
 DB 5666, PG 0518
 ZONING: RB
 USE: RESIDENTIAL HOTEL

EXISTING COMMON ACCESS EASEMENT
 MAP BOOK 51, PAGE 60
 DEED BOOK 5149, PAGE 368

20' PRIVATE DRAINAGE EASEMENT IN FAVOR OF LOT 3A
 MAP BOOK 55, PAGE 14

20' PRIVATE UTILITY EASEMENT
 MAP BOOK 55, PAGE 14

EXISTING PRIVATE UTILITY EASEMENT CONNECT TO PUBLIC UTILITY EASEMENT.

24" CONCRETE CURB AND GUTTER (TYP)

PROPOSED STRIPING (8.5'x18')

PROPOSED CURB AND GUTTER

PROPOSED DUMPSTER WITH FENCING (SEE DETAIL)

EXIST. STOP SIGN/ROAD SIGN
 (1) 4"x6" TEE
 (1) 6" 45° BEND
 1" METER/1" BACKFLOW PREVENTOR

EXIST. STOP BAR

EXIST. 'DO NOT ENTER' SIGN

PROPOSED SIGN
 PID: R04900-001-007-003
 OWNER: TARGET CORPORATION
 4711 NEW CENTRE DR.
 ZONING: RB
 USE: REGIONAL RETAIL

PROPOSED CO

24" CONCRETE CURB AND GUTTER (TYP)

RELOCATE EXIST 8" WATER AS SHOWN

EXIST. STOP BAR

EXIST. FH

(1) 8" 45° BEND

20'x70' SIGHT DISTANCE TRIANGLE

46'x46' SIGHT DISTANCE TRIANGLE

20'x70' SIGHT DISTANCE TRIANGLE

EXIST. STOP BAR

EXIST. STOP SIGN

EXIST. STOP BAR

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EXIST. STOP SIGN

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Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

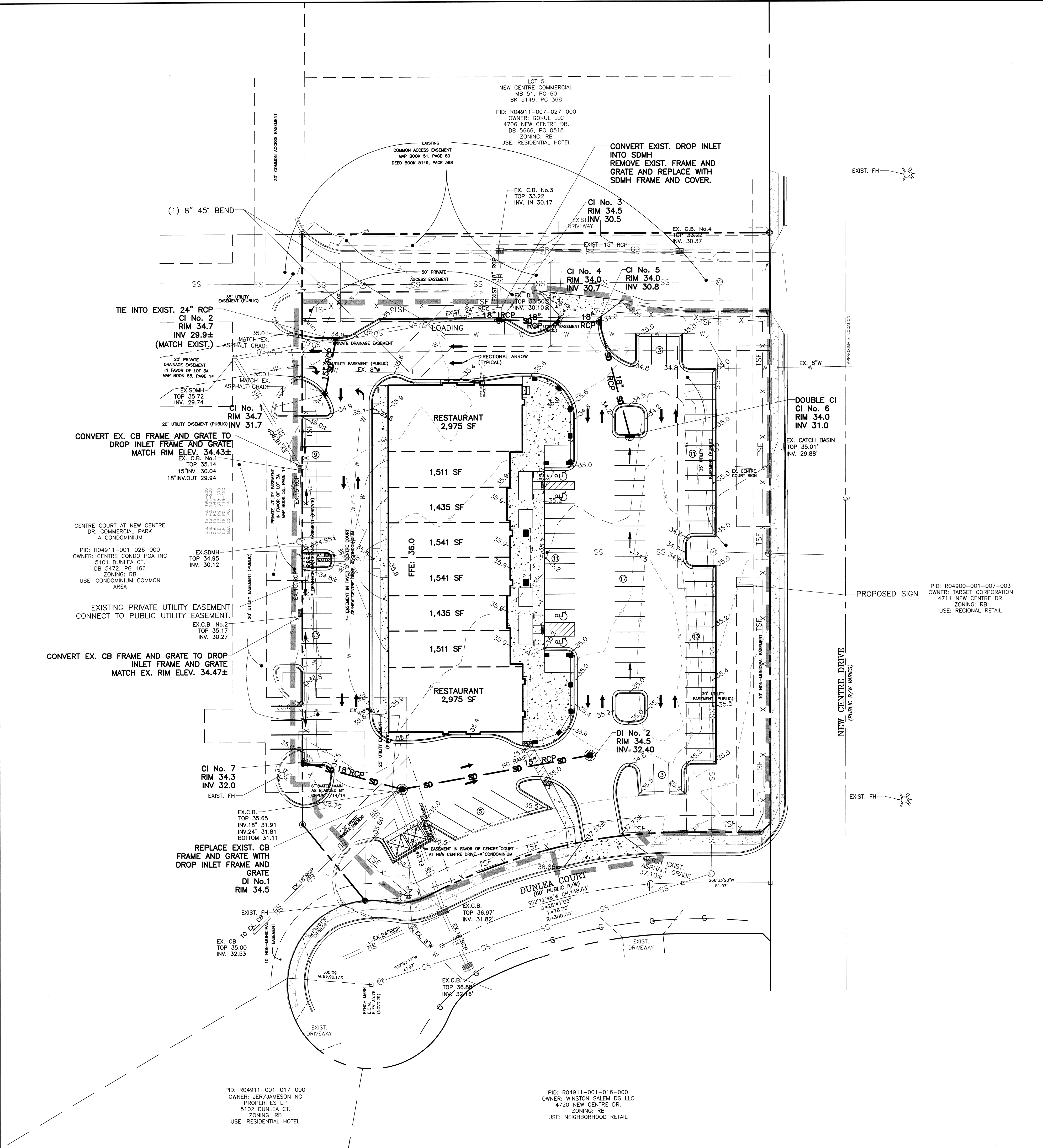
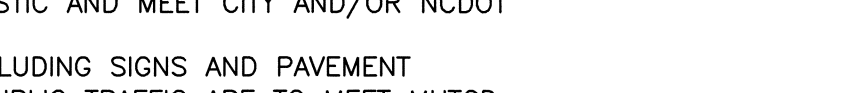
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 3) ALL OUTFALLS DRAIN TO EXIST. OFF-SITE POND.
 4) THIS SITE IS APPROVED UNDER STATE STORMWATER PERMIT No. SWB 980620 MODIFICATION AND CITY STORMWATER DISCHARGE PERMIT No. 98048

LEGEND

- EXISTING CONTOUR
- SS --- PROPOSED SEWER
- W --- PROPOSED WATER
- SD --- PROPOSED STORM WATER
- X --- TSF --- LIMITS OF DISTURBANCE
- X --- TSF --- TEMPORARY SILT FENCE
- X --- TSF --- PROPOSED SPOT ELEVATION

SITE PLAN
 BAR SCALE 1"=30'



LOT 5
 NEW CENTRE COMMERCIAL
 MB 51, PG. 60
 BK 5149, PG. 368
 PID: R04911-007-027-000
 OWNER: GOKUL LLC
 4706 NEW CENTRE DR.
 DB 5656, PG. 0918
 ZONING: RB
 USE: RESIDENTIAL HOTEL

EXIST. C.B. No.3
 TOP 33.22
 INV. IN 30.17

EXIST. C.B. No.4
 TOP 33.22
 INV. 30.37

CI No. 3
 RIM 34.5
 INV 30.5

CI No. 4
 RIM 34.0
 INV 30.7

CI No. 5
 RIM 34.0
 INV 30.8

RESTAURANT
 2,975 SF

RESTAURANT
 2,975 SF

RESTAURANT
 2,975 SF

RESTAURANT
 2,975 SF

RESTAURANT
 2,975 SF

RESTAURANT
 2,975 SF

EXIST. C.B. No.2
 TOP 35.17
 INV. 30.27

EXIST. C.B. No.1
 TOP 35.14
 INV. 29.74

EXIST. C.B. No.7
 RIM 34.3
 INV 32.0

EXIST. C.B. No.6
 TOP 35.01
 INV. 29.88

EXIST. C.B. No.5
 TOP 35.00
 INV. 32.53

EXIST. C.B. No.4
 TOP 36.88
 INV. 32.16

EXIST. C.B. No.3
 TOP 35.65
 INV. 18" 31.91
 INV. 24" 31.81
 BOTTOM 31.11

EXIST. C.B. No.2
 TOP 36.97
 INV. 31.82

EXIST. C.B. No.1
 TOP 35.00
 INV. 32.53

EXIST. C.B. No.7
 RIM 34.3
 INV 32.0

EXIST. C.B. No.6
 TOP 35.01
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 TOP 36.97
 INV. 31.82

EXIST. C.B. No.1
 TOP 35.00
 INV. 32.53

PID: R04911-001-017-000
 OWNER: JER/JAMESON NC
 PROPERTIES LP
 5102 DUNLEA CT.
 ZONING: RB
 USE: RESIDENTIAL HOTEL

PID: R04911-001-016-000
 OWNER: WINSTON SALEM DG LLC
 4720 NEW CENTRE DR.
 ZONING: RB
 USE: NEIGHBORHOOD RETAIL

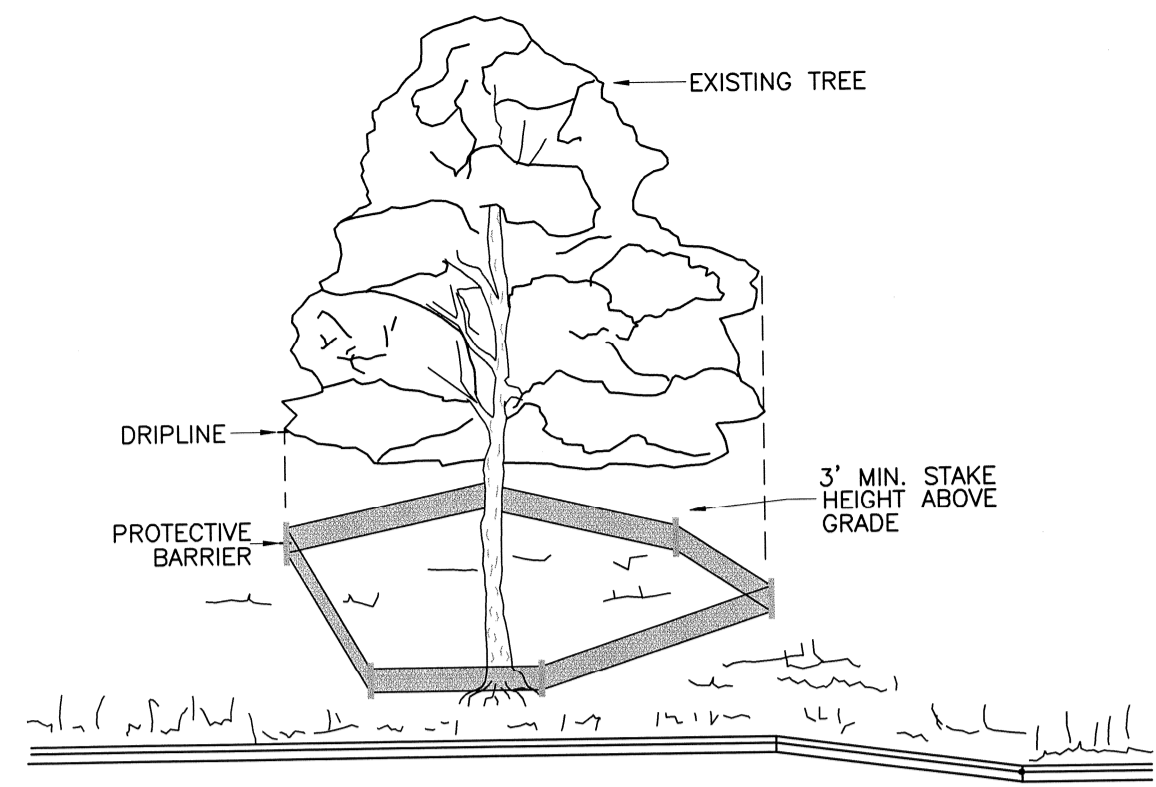
GRADING, DRAINAGE, EROSION CONTROL
 AND STORMWATER MANAGEMENT
NEW CENTRE LOT 3R
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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 LICENSE NO. 10152



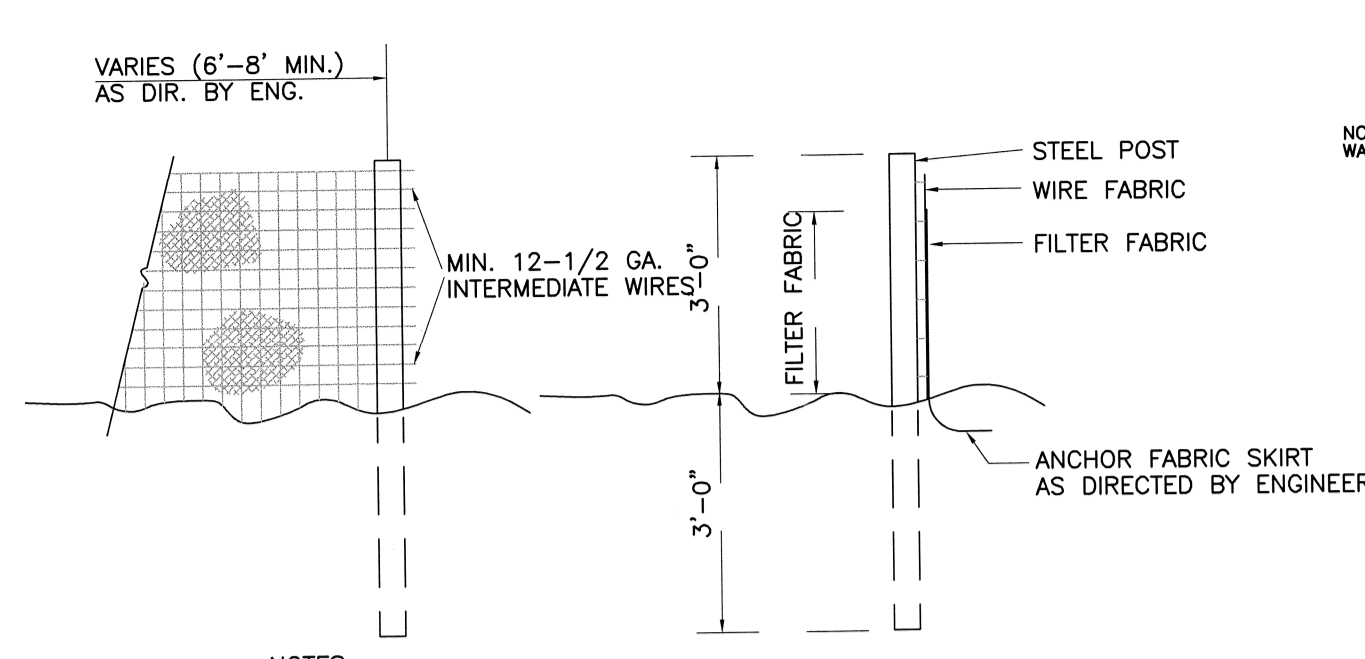
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 DRAWN EJW

C3
 SHEET 3 OF 4
 14013



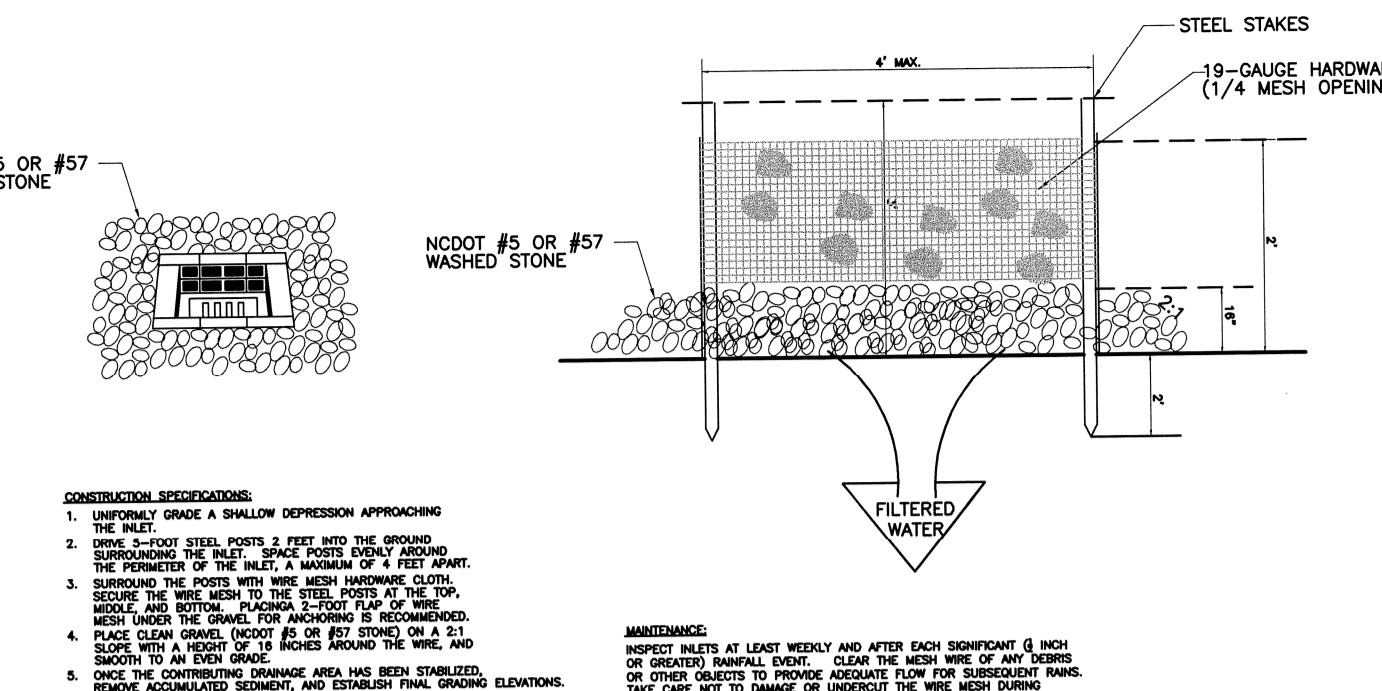
METHOD OF TREE PROTECTION DURING CONSTRUCTION
NOT TO SCALE

NOTE:
1. TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE, DRIP LINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.
2. INSTALL TREE PROTECTION SIGNAGE "TREE PROTECTION AREA: DO NOT ENTER" IN BOTH ENGLISH AND SPANISH. SIGNS SHALL BE SPACED EVERY 50 FEET, WITH NO LESS THAN TWO SIGNS PER TREE PROTECTION AREA.

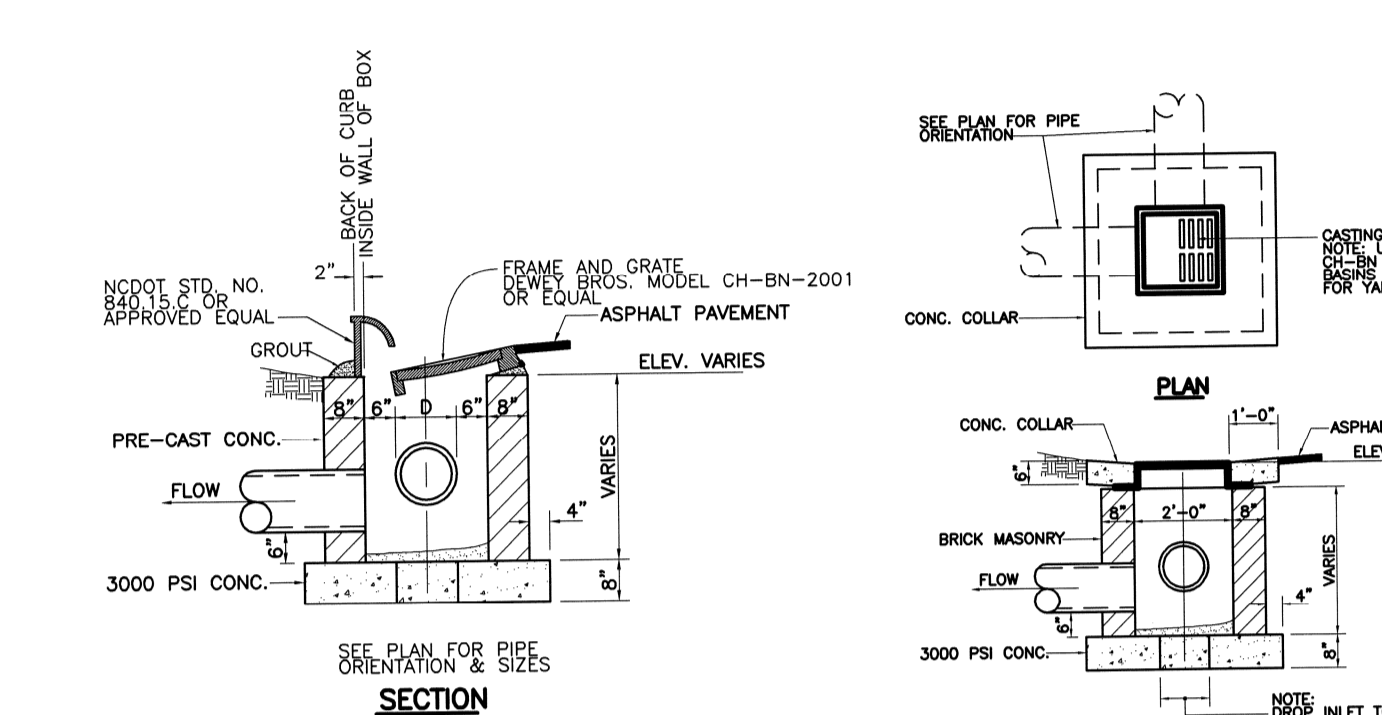


TEMPORARY SILT FENCE
NTS

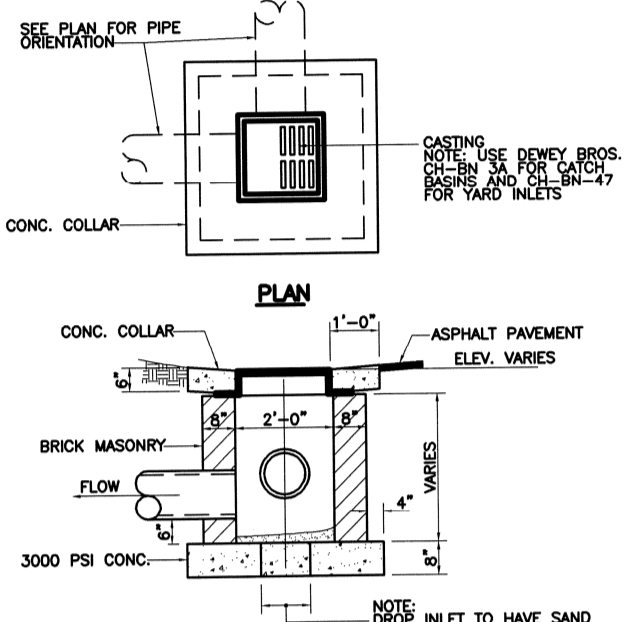
NOTES:
1. FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
2. FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.



HARDWARE CLOTH AND GRAVEL INLET PROTECTION
NTS

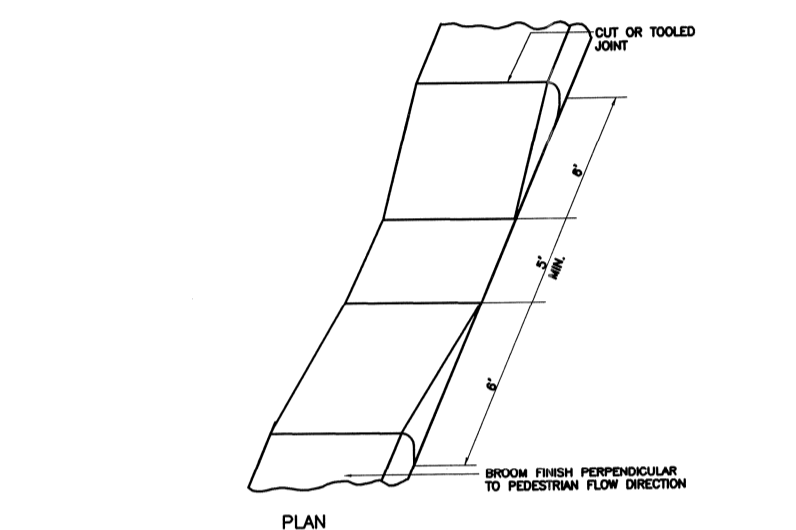
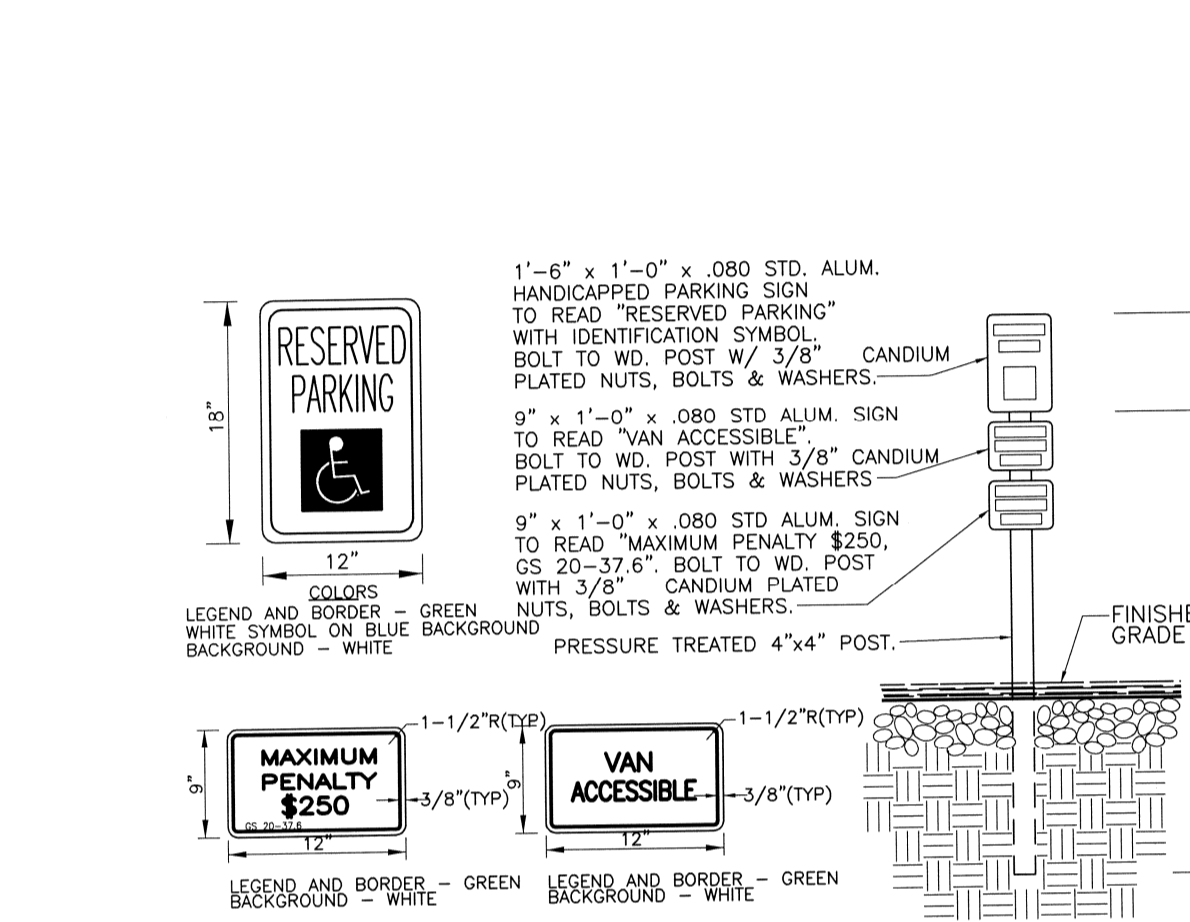


CURB INLET DETAIL
NTS

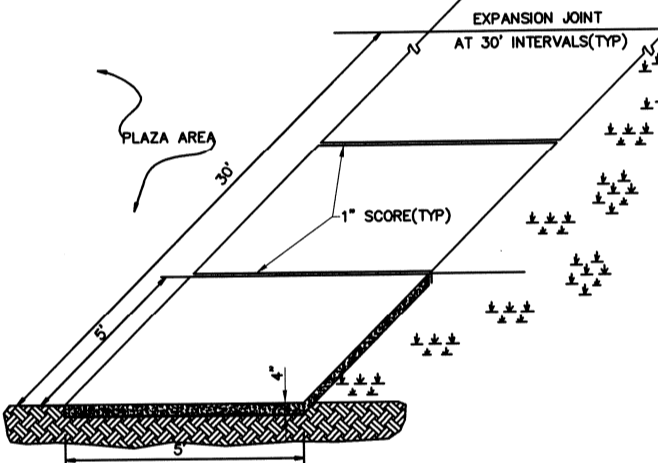


DROP INLET DETAIL
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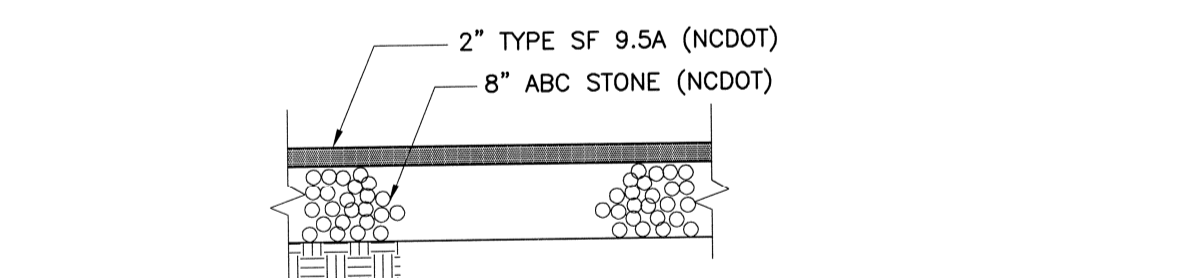
TYPICAL HANDICAPPED SIGN DETAIL
NTS



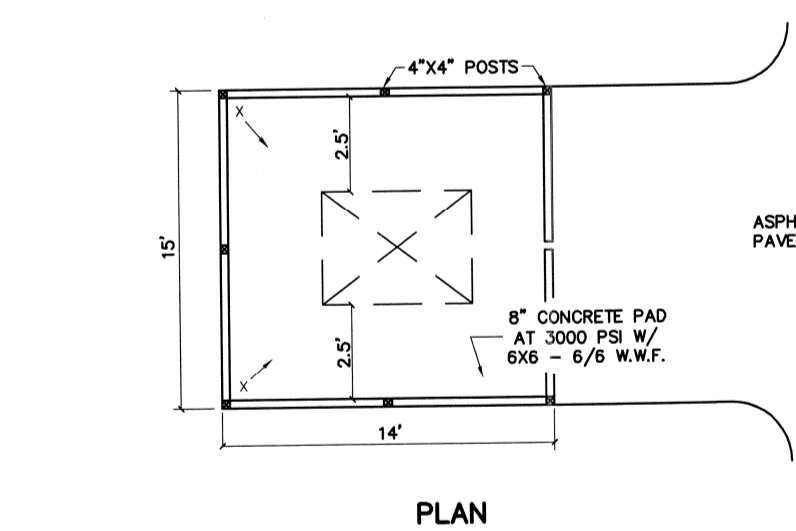
TYPICAL SIDEWALK AND WHEEL CHAIR RAMP DETAIL
NTS



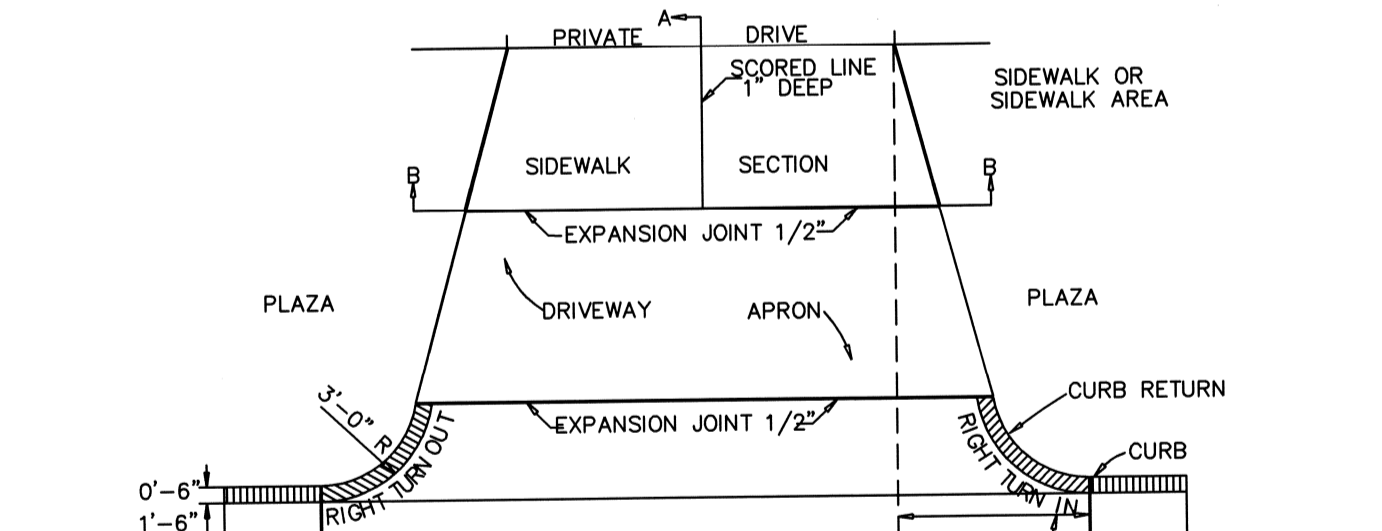
STANDARD SIDEWALK DETAIL
SD 8-15
NOT TO SCALE



CITY OF WILMINGTON PAVEMENT SECTION
NTS



DUMPSTER PAD & ENCLOSURE DETAIL
NTS



STANDARD DRIVEWAY DETAIL
SD 8-02
NOT TO SCALE

PERMETER Dikes, SWALES, DITCHES AND SLOPES	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME CONDITIONS
PERMETER Dikes, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERMETERS AND HOW ZONES)

NPDES GROUND STABILIZATION CRITERIA
NTS

SPRING-SUMMER PERMANENT GRASSING DETAIL

SPECIES	RATE (lb./acre)
PENDOLINA BAWANGASS	50
BEROLA CERISEA	50
COMMON BERBERA GRASS	50
GENUINE MILLET	50
KILL FESCUE	50

SEEDING NOTES
1. WHERE A NEAT APPROXIMATE IS REQUIRED, BUT SEEDS, 2. USE COMMON BERBERA GRASS ONLY ON SLOATED SITES WHERE IT CANNOT BECOME A PEST. BERBERA GRASS MAY BE REPLACED WITH 5 lb./acre COMPACTE GRASS.

SEEDING DATES
APRIL 1 - JULY 15

SOIL AMENDMENTS
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 lb./acre GROUND AGRICULTURE LIMESTONE AND 500 lb./acre 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 lb./acre STRAW EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DOK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE THE FOLLOWING APRIL WITH 50 lb./acre NITROGEN. REPEAT AS GROWTH REQUIRES. MAY BE MOVED ONLY ONCE A YEAR. WHERE A NEAT APPROXIMATE IS REQUIRED, ONE SEEDING AND MORE AS NECESSARY.

FALL-WINTER PERMANENT GRASSING DETAIL

SPECIES	RATE (lb./acre)
TALL FESCUE (BLEND OF TWO OR THREE BLENDED WHITES)	200
KILL FESCUE	25

SEEDING DATES
JANUARY - DECEMBER

SOIL AMENDMENTS
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 lb./acre GROUND AGRICULTURE LIMESTONE (USE THE LOWER RATE ON SHADY SLOPES) AND 1,000 lb./acre 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 lb./acre STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DOK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE ACCORDING TO SOIL TESTS OR APPLY 40 lb./acre NITROGEN IN JANUARY OR FEBRUARY. 40 lb. IN SEPTEMBER AND 40 lb. IN NOVEMBER. FROM A 12-4-8, 16-4-8, OR SIMILAR TYPE FERTILIZER. APPLY FERTILIZER APPLICATION DURING WARM WEATHER AS THE INCREASES STAND LEVELS TO DEGRADE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY. NOW TO A DEPTH OF 2-3 INCHES AS NEEDED.

LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL

SPECIES	RATE (lb./acre)
Rye (grass)	120
Abruzzo lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

SEEDING DATES:
Mountains - Above 2500 ft. Feb. 15-May 15
Piedmont - May 1-May 1
Coastal Plain - Dec. 1-Apr. 15

SOIL AMENDMENTS
Follow recommendations of soil tests or apply 2,000 lb./acre ground agricultural limestone and 750 lb./acre 10-10-10 fertilizer.

MULCH
APPLY 4,000 lb./acre STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DOK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

TEMPORARY SUMMER GRASSING DETAIL

SPECIES	RATE (lb./acre)
GENUINE MILLET	40

SEEDING NOTES
MOUNTAINS - MAY 15-NOV. 15
PIEDMONT - MAY 1-AUG. 15
COASTAL PLAIN - APR. 15-AUG. 15

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB./ACRE GROUND AGRICULTURE LIMESTONE AND 750 LB./ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB./ACRE STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DOK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY FALL GRASSING DETAIL

SPECIES	RATE (lb./acre)
Rye (grass)	120

SEEDING NOTES
MOUNTAINS - AUG. 15-DEC. 15
COASTAL PLAIN AND PIEDMONT - AUG. 15-DEC. 30

SOIL AMENDMENTS
FOLLOW SOIL TESTS OR APPLY 3,000 LB./ACRE GROUND AGRICULTURE LIMESTONE AND 1,000 LB./ACRE 10-10-10 FERTILIZER.

MULCH
Apply 4,000 lb./acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A dok with blades set nearly straight can be used as a mulch anchoring tool.

MAINTENANCE
Re-seed and refertilize damaged areas immediately. Topdress with 50 lb./acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, reseed with 50 lb./acre Kille (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

- SITE WORK NOTES**
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIARIZED WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY ADJACENT TO THE SITE.
 - CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
 - GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
 - MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
 - DISPOSAL: CLEARED OR EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
 - FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL REPORT.
 - THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED CIRCUMFERENCE CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
 - THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
 - EXISTING SURVEYING PERFORMED BY ARNOLD CARSON, PLS AND SUPPLIED BY THE OWNER.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE, THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
 - THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
 - ALL PVC UTILITY MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER AT FINAL GRADE.
 - ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL AND STATE CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
 - ALL PAVEMENT, BASE AND SUBGRADE SHALL CONFORM TO NCDOT STANDARDS INCLUDING WORKMANSHIP, MATERIALS AND EQUIPMENT. APPROPRIATE BARRIAGES, SIGNS, LIGHTS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NCDOT TO MAINTAIN SAFETY AND TWO WAY TRAFFIC.
 - ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.
 - CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III WITH RUBBER GASKETED JOINTS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYD, FS TT-P-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON BLEEDING, REFLECTIVE MATERIAL MAY BE ADDED AT OWNER'S OPTION FOR NIGHT REFLECTING.
 - DUCTILE IRON SHALL BE CLASS 50.
 - CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
 - FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
 - SEE GEOTECHNICAL REPORT NO. _____ DATED _____ BY _____ FOR ADDITIONAL REQUIREMENTS.

- CONSTRUCTION SEQUENCE**
- NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
 - NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION.
 - INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, ETC. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
 - ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION ARE TO BE CLEANED WHEN 0.5 FEET OF SEDIMENT ACCUMULATED IN FRONT OF THE DEVICE OR WHEN THEY LEAK OR FAIL. SEDIMENT TRAPS ARE CLEANED OUT AS STATED OR WHEN HALF FULL.
 - IF APPLICABLE, CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATION OF SILT AS REQUIRED TO ALLOW PROPER FUNCTIONING. RESTORE POND TO DESIGN LEVELS AT THE COMPLETION OF CONSTRUCTION.
 - IF APPLICABLE, INSTALL DROP INLETS WITH INLET PROTECTION TO ACT AS SILT TRAPS DURING CONSTRUCTION. REMOVE ACCUMULATED SILT AS NEEDED TO PREVENT SILT FROM ENTERING STORM DRAIN PIPING.
 - A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSSED.
 - MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
 - MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.

- MAINTENANCE PLAN**
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RAINFALL, BUT IN NO CASE, LESS THAN 24 HOURS, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 - ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 - SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 - DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SMALL.
 - SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING, STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED, IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT.
 - SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLOGGED. BARRIERS WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 - ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
 - FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

SITE POLLUTANTS NOTES

- LOCATE AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND DOMESTIC WASTE.
- LOCATE HAZARDOUS OR TOXIC WASTE. THIS LOCATION SHALL BE AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- DUMPING OF PAINT OR OTHER LIQUID BUILDING MATERIAL WASTES IN STORM DRAINS IS PROHIBITED.
- LITTER AND SANITARY WASTE-THE PERMITTEE SHALL CONTROL THE MANAGEMENT AND DISPOSAL OF LITTER AND SANITARY WASTE FROM THE SITE.
- LOCATE EARTHEN-MATERIAL STOCK PILE AREAS AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- CONCRETE MATERIALS ON-SITE, INCLUDING EXCESS CONCRETE, MUST BE CONTROLLED AND MANAGED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS. NO CONCRETE OR CEMENT SLURRY SHALL BE DISCHARGED FROM THE SITE.
- ANY HARDENED CONCRETE RESIDUE WILL BE DEPOSED OF OR RECYCLED ON SITE, IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS.
- SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
i. ALL PERMETER Dikes, SWALES, DITCHES, PERMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 HORIZONTAL TO 1 VERTICAL SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
ii. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
iii. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
- ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY TO GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY TO GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1. THE 7-DAY REQUIREMENT APPLIES.
ii. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
iii. SLOPES 10' OR LESS IN LENGTH MAY BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
iv. ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
- FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED "HIGH QUALITY WATER ZONE" (15A NCA2 (04A, 0100)), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.

REVISIONS

No./Date	Description	By

DETAILS AND NOTES

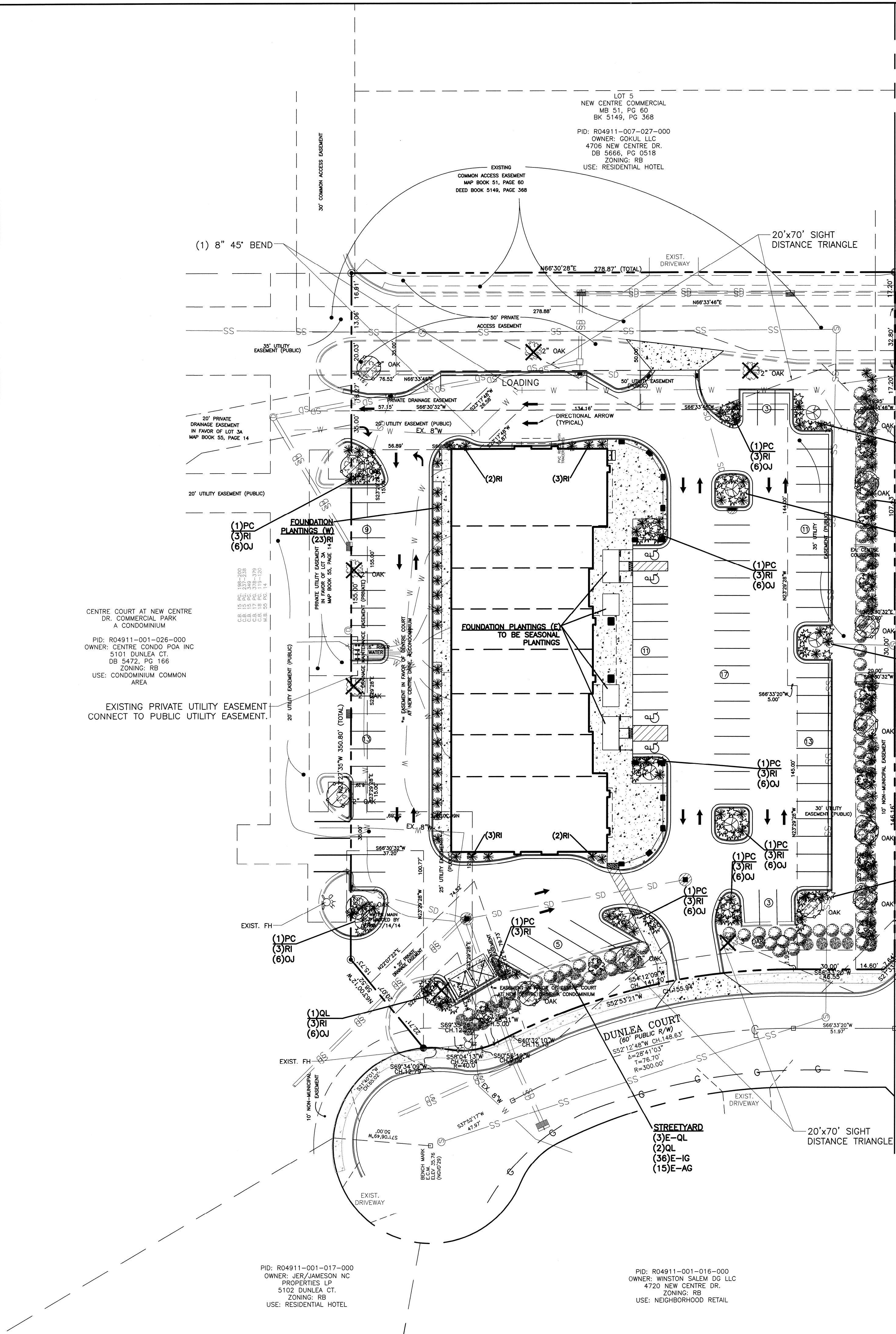
TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631

CITY OF WILMINGTON
APPROVED
STORMWATER MANAGEMENT PLAN
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

DATE 01-07-15
DESIGN PGJ
DRAWN EJW

C4
SHEET 4 OF 4
14013



LOT 5
NEW CENTRE COMMERCIAL
MB 51, PG 60
BK 5149, PG 368
PID: R04911-007-027-000
OWNER: GOKUL LLC
4706 NEW CENTRE DR.
DB 5665, PG 0518
ZONING: RB
USE: RESIDENTIAL HOTEL

PROPERTY OWNER
WINSTON SALEM DG, LLC
OWNER ADDRESS
P.O. BOX 10720
WILMINGTON, NC 28404
RETAIL

LAND USE

LOCATION MAP

REVISIONS		
No./Date	Description	By

LANDSCAPING

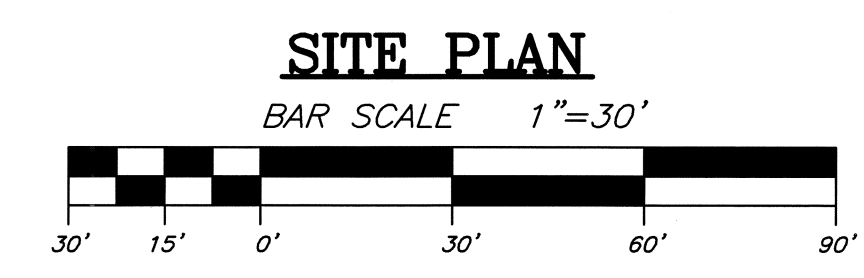
- 1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
- 2) NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.
- 3) 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.
- 4) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- 5) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.

TOTAL ASPHALT+CURB 46,116 SF
20% INTERIOR SHADING REQUIRED 9,223 SF
INTERIOR SHADING PROVIDED 9,898 SF
(14 INTERIOR ISLAND TREES @707 SF EA.)

PLANT LIST						
KEY NO.	TYPE	COMMON NAME	SCIENTIFIC NAME	HT. - MIN. SIZE	HT. - HEIGHT	PLANTING REMARKS
QL 10	LARGE SHADE TREE	LAUREL OAK	QUERCUS LAURIFOLIA	2.5" CAL.	AS SHOWN	
E-QL 14	TREE (EXISTING)	LAUREL OAK	QUERCUS LAURIFOLIA	AS SHOWN	AS SHOWN	
PC 12	LARGE SHADE TREE	DOGWOOD	CORNUS	2.5 CAL.	AS SHOWN	
RI 87	SHRUB	INDIAN HAWTHORNE	RAPHIOLEPIS INDICA	1 GAL.	AS SHOWN	
E-IC 82	SHRUB	NEEDLE POINT HOLLY	ILEX CORNUTA 'NEEDLEPOINT'	36" HT.	AS SHOWN	
E-AG 32	SHRUB	GLOSSY ABELIA	ABELIA GRANDIFLORA	36" HT.	AS SHOWN	
OJ 78	GROUND COVER	MONDO GRASS	OPHIPOGON JAPONICUS	1 GAL.	AS SHOWN	

	REQUIRED	PROPOSED
STREETYARD (NEW CENTRE): 350.8-38*25= 7,820 SF	13 TREE(S) 78 SHRUB(S)	13 TREE(S) 78 SHRUB(S)
STREETYARD (DUNLEA CT.): 243.13-24*25/2= 2,739 SF	5 TREE(S) 27 SHRUB(S)	5 TREE(S) 27 SHRUB(S)
DISTURBED AREA: 1.86 Ac. (15 TREES PER DISTURBED ACRE)	28 TREES	31 TREES
FOUNDATION PLANTINGS: (EAST) 206x18x12%	445 SF	478 SF (SEE PLAN)
FOUNDATION PLANTINGS: (WEST) 206x18x12%	445 SF	748 SF (SEE PLAN)

- LEGEND**
- PROPERTY BOUNDARY
 - EXISTING CONTOUR
 - TREE PROTECTION - DO NOT DISTURB
 - TREE TO BE REMOVED



Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

STORMWATER MANAGEMENT PLAN
APPROVED

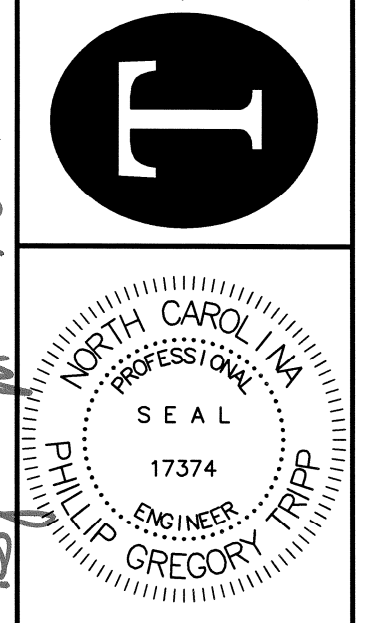
CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____

SIGNED _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5681
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DATE 01-07-15
DESIGN PGT
DRAWN EJW