

HARNETTS LANDING LLC
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-001-004-000
 AC. 1.63
 USE: PARKS

CITY OF WILMINGTON
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-002-001-000
 AC. 1.45
 USE: PARKS

CAPE FEAR PUBLIC UTILITY AUTHORITY
 ZONE: LIGHT INDUSTRIAL
 PID# R04117-001-001-000
 AC. 14.03
 USE: GOVERNMENTAL

BENNETT VENTURES LLC
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-001-004-000
 AC. 1.63
 USE: MARINE CRAFT DOCK

ALAN G. CASAVANT
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-023-001-000
 1.58 ACRES

CAPE FEAR REGIONAL COMMUNITY
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-021-001-000
 AC. 0.73
 USE: REPAIR NON AUTO

HILTON INDUSTRIAL PK OWN/ASSN
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-021-001-100
 AC. 1.19
 USE: CONDOMINIUM COMMON AREA

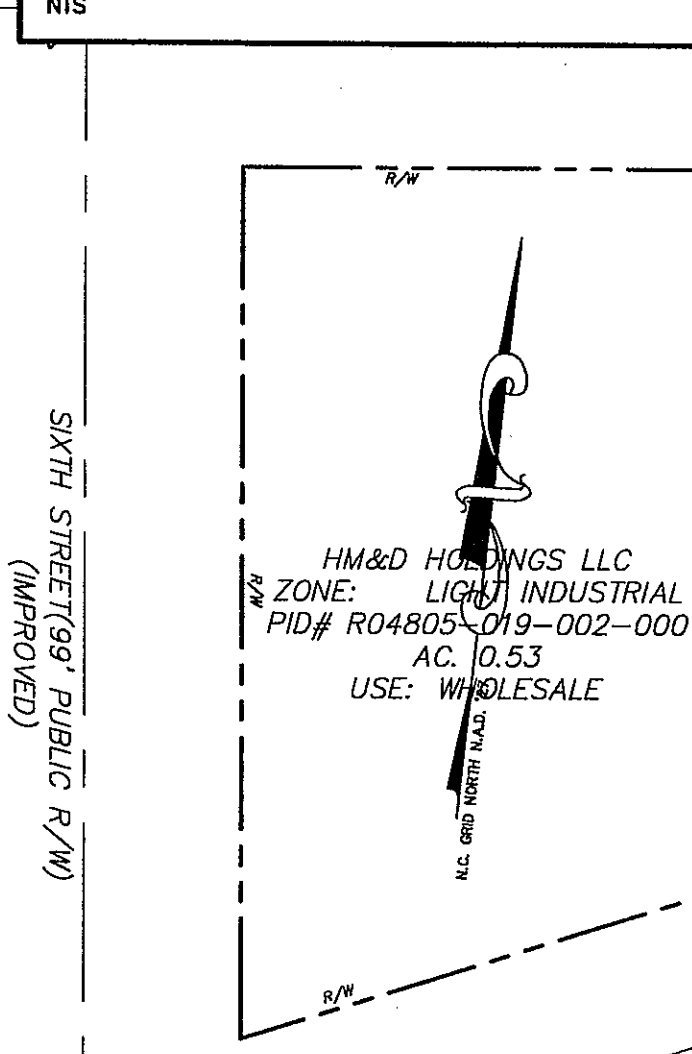
ALAN G. CASAVANT
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-024-001-000
 0.14 ACRES

ALAN G. CASAVANT
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-025-001-000
 1.21 ACRES

RIMEL HARRY E JUDY W
 ZONE: LIGHT INDUSTRIAL
 PID# R04805-025-001-000
 AC. 0.91
 USE: WHOLESALE

REVISIONS		
No.	Description	By

LOCATION MAP



SITE INVENTORY NOTES:

- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
- APPLICANT NAME: ALAN G. CASAVANT
- SITE ADDRESS OF THE DEVELOPMENT: 1701 N 5TH AVE
- PROPERTY OWNER: ALAN G. CASAVANT
- DEVELOPER: ALAN G. CASAVANT
- PROPERTY BOUNDARY: SEE PLAN
 TAX PARCEL INFORMATION:
 R04805-024-001-000
 R04805-023-001-000
 R04805-026-001-000
- PROPERTY ZONING: LI - LIGHT INDUSTRIAL
- ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
- VICINITY MAP: SEE PLAN
- TOPOGRAPHY: SEE PLAN
- 100-YEAR FLOOD BOUNDARY: N/A
- EXISTING DITCHES, CREEKS AND STREAMS: N/A
- SOIL: UR - URBAN LAND
- CAMA AEC: N/A
- CAMA LAND CLASSIFICATION: URBAN
- CONSERVATION RESOURCES: NONE
 ASSOCIATED SETBACKS: N/A
- HISTORIC OR ARCHAEOLOGICAL SITE: N/A
- CEMETERIES, BURIAL SITES/GROUNDS: N/A
- FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
- WETLANDS: SEE PLAN
- PROTECTED SPECIES OR HABITAT: N/A
- EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN
- EXISTING TREES AS SHOWN ON PLAN

SITE INVENTORY
CORBETT INDUSTRIES
 1701 N 5TH AVE
 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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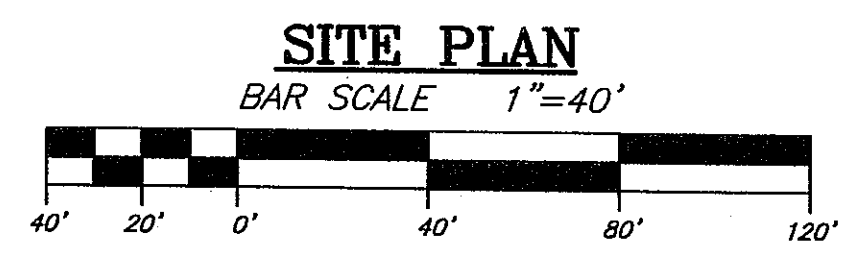
Approved Construction Plan		
Name	Date	
Planning		
Traffic		
Fire		

Public Services • Engineering Division
 APPROVED DRAINAGE PLAN
 Date: _____ Permit # _____
 Signed: _____

MARTIN LUTHER KING JR. PARKWAY

RECEIVED
 JUN 21 2019
 PLANNING DIVISION

DATE PRINTED
 JUN 21 2019



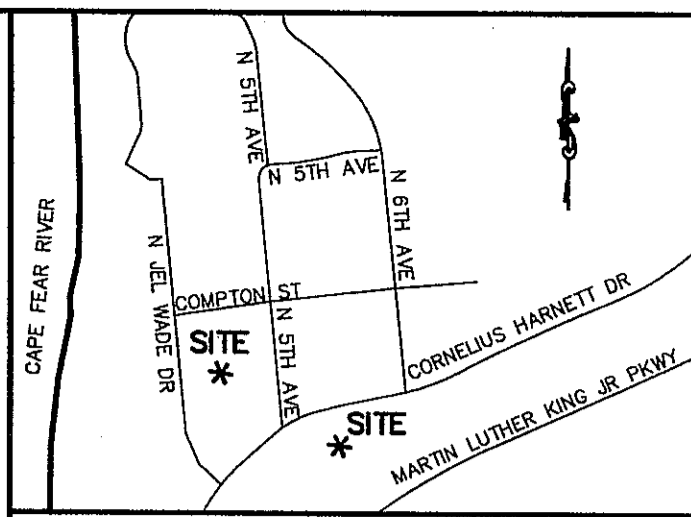
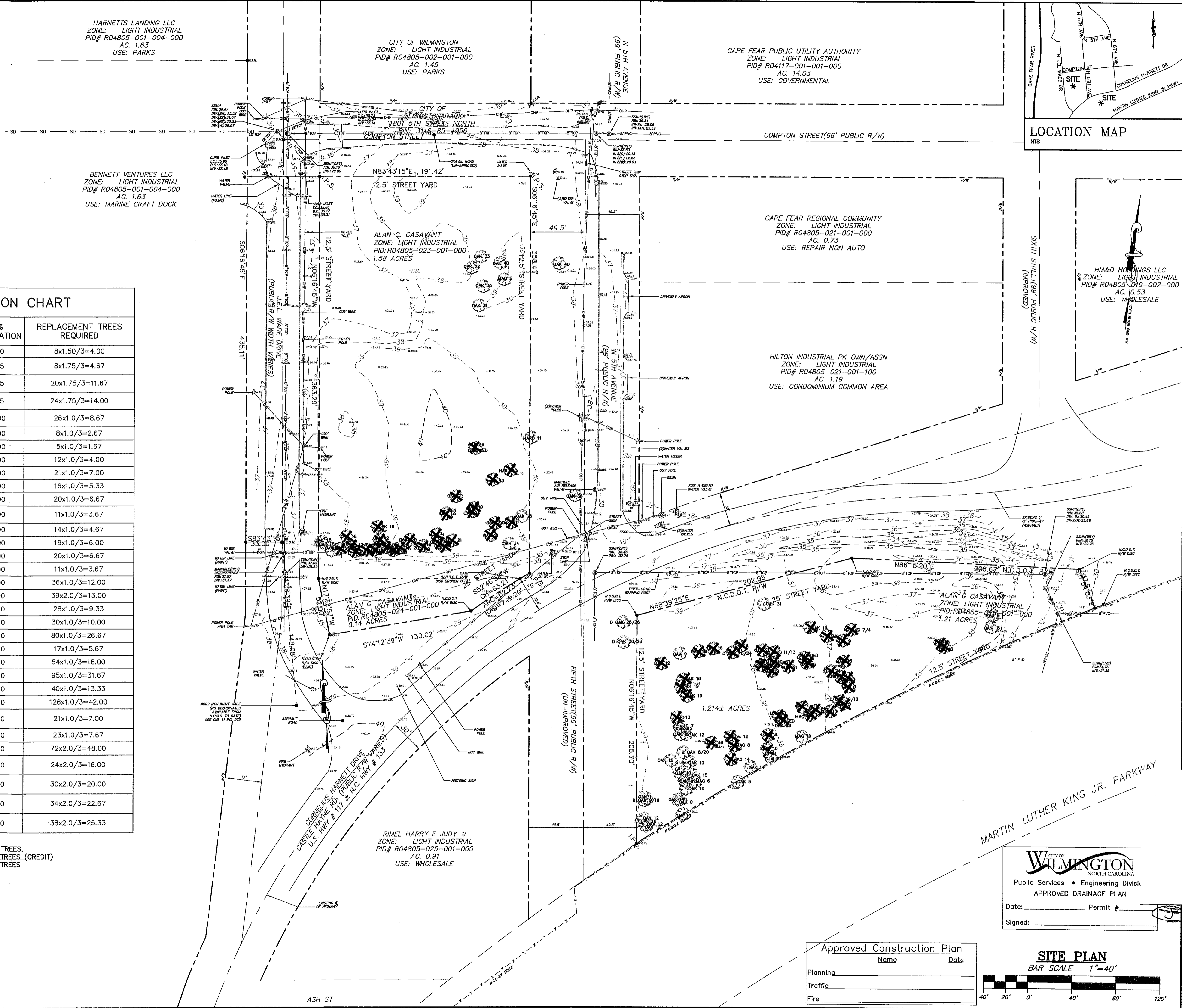
DATE	06-17-19
DESIGN	PGT
DRAWN	JET
C1	
SHEET 1 OF 6	
19006	

INVENTORY OF TREES TO BE REMOVED			INVENTORY OF TREES TO BE PRESERVED			
TREE TYPE	TREE SIZE	QUANTITY	TREE TYPE	TREE SIZE	QUANTITY	TOTAL DBH
CHERRY	8"	1	HARD UNKNOWN	11"	1	11
SWEET GUM	8"	1	MAGNOLIA	5"	1	5
SWEET GUM	10"	2	MAGNOLIA	6"	1	6
SWEET GUM	12"	2	MAGNOLIA	7"	1	7
HARD UNKNOWN	13"	2	MAGNOLIA	9"	1	9
MAGNOLIA	4"	2	MAGNOLIA	10"	1	10
MAGNOLIA	5"	1	OAK	1"	1	1
MAGNOLIA	6"	2	OAK	8"	1	8
MAGNOLIA	7"	3	OAK	9"	3	27
MAGNOLIA	8"	2	OAK	10"	5	50
MAGNOLIA	10"	2	OAK	12"	5	60
DOUBLE MAGNOLIA	11" (7,4)	1	OAK	13"	1	13
MAGNOLIA	14"	1	OAK	14"	2	28
OAK	9"	2	OAK	15"	1	15
OAK	10"	2	OAK	16"	2	32
OAK	11"	1	DOUBLE OAK	18" (9,10)	1	19
OAK	12"	3	OAK	21"	1	21
OAK	13"	3	OAK	22"	1	22
OAK	14"	2	DOUBLE OAK	28" (8,20)	1	28
OAK	15"	2	OAK	31"	2	62
OAK	16"	5	OAK	33"	2	66
OAK	17"	1	OAK	34"	1	34
OAK	18"	3	OAK	40"	1	40
OAK	19"	5				
OAK	20"	2				
OAK	21"	6				
DOUBLE OAK	21" (13,11)	1				
OAK	23"	1				
OAK	24"	3				

NOTES:
TOTAL DBH = 628
628/6 = 105 TREES (CREDIT)

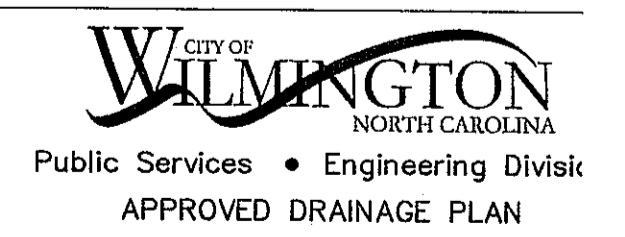
TREE MITIGATION CHART					
TREE TYPE	TREE SIZE	# OF TREES	% MITIGATION	REPLACEMENT TREES REQUIRED	
*CHERRY	8 IN.	1	50	8x1.50/3=4.00	
*SWEET GUM	8 IN.	1	75	8x1.75/3=4.67	
*SWEET GUM	10 IN.	2	75	20x1.75/3=11.67	
*SWEET GUM	12 IN.	2	75	24x1.75/3=14.00	
HARD UNKNOWN	13 IN.	2	100	26x1.0/3=8.67	
MAGNOLIA	4 IN.	2	100	8x1.0/3=2.67	
MAGNOLIA	5 IN.	1	100	5x1.0/3=1.67	
MAGNOLIA	6 IN.	2	100	12x1.0/3=4.00	
MAGNOLIA	7 IN.	3	100	21x1.0/3=7.00	
*MAGNOLIA	8 IN.	2	100	16x1.0/3=5.33	
*MAGNOLIA	10 IN.	2	100	20x1.0/3=6.67	
*DOUBLE MAGNOLIA	11 IN. (7,4)	1	100	11x1.0/3=3.67	
*MAGNOLIA	14 IN.	1	100	14x1.0/3=4.67	
OAK	9 IN.	2	100	18x1.0/3=6.00	
OAK	10 IN.	2	100	20x1.0/3=6.67	
OAK	11 IN.	1	100	11x1.0/3=3.67	
OAK	12 IN.	3	100	36x1.0/3=12.00	
OAK	13 IN.	3	100	39x2.0/3=13.00	
OAK	14 IN.	2	100	28x1.0/3=9.33	
OAK	15 IN.	2	100	30x1.0/3=10.00	
OAK	16 IN.	5	100	80x1.0/3=26.67	
OAK	17 IN.	1	100	17x1.0/3=5.67	
OAK	18 IN.	3	100	54x1.0/3=18.00	
OAK	19 IN.	5	100	95x1.0/3=31.67	
OAK	20 IN.	2	100	40x1.0/3=13.33	
OAK	21 IN.	6	100	126x1.0/3=42.00	
DOUBLE OAK	21 IN. (13,11)	1	100	21x1.0/3=7.00	
OAK	23 IN.	1	100	23x1.0/3=7.67	
*OAK	24 IN.	3	100	72x2.0/3=48.00	
*DOUBLE OAK	24 IN. (13,11)	1	100	24x2.0/3=16.00	
*DOUBLE OAK	30 IN. (20,10)	1	100	30x2.0/3=20.00	
*DOUBLE OAK	34 IN. (10,24)	1	100	34x2.0/3=22.67	
*DOUBLE OAK	38 IN. (19,19)	1	100	38x2.0/3=25.33	

NOTES:
TOTAL REPLACEMENT TREES REQUIRED = 423 TREES,
105 TREES (CREDIT)
318 TREES
*INDICATES SIGNIFICANT TREE



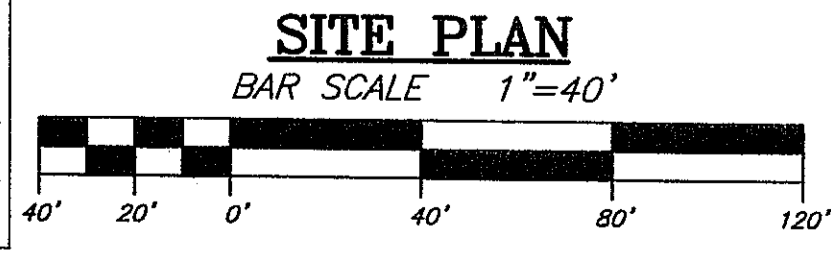
REVISIONS		
No.	Date	Description

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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Date: _____ Permit # _____
 Signed: _____ DATE 06-17-19
 DESIGN PGT
 DRAWN JET

Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	



C2
SHEET 2 OF 6
19006

SITE DATA:

PROPERTY OWNER: ALLAN G CASAVANT
 PROJECT ADDRESS: 1701 N 5TH AVE
 PIN NUMBER: R04805-024-001-000
 TRACT AREA: (0.14 AC)
 ZONING DISTRICT: LI-LIGHT INDUSTRIAL
 PIN NUMBER: R04805-023-001-000
 TRACT AREA: (1.58 AC)
 ZONING DISTRICT: LI-LIGHT INDUSTRIAL
 PIN NUMBER: R04805-026-001-000
 TRACT AREA: (1.21 AC)
 ZONING DISTRICT: LI-LIGHT INDUSTRIAL
 PARCEL IN SPECIAL HIGHWAY OVERLAY DISTRICT
 TOTAL TRACT AREA: 128,472 (2.93 AC)
 AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.

REQUIRED SETBACKS: FRONT: 50'
 SIDE: 35'
 REAR: 35'
 PROPOSED SETBACKS: FRONT: N/A
 SIDE: N/A
 REAR: N/A

BUILDING USE: N/A
 PROPOSED BUILDING AREA (GROSS): N/A
 BUILDING LOT COVERAGE: N/A
 NUMBER OF UNITS: N/A
 NUMBER OF BUILDINGS: N/A
 BUILDING HEIGHT: N/A
 NUMBER OF STORIES: N/A
 SF PER FLOOR 1ST FLOOR (GROSS): N/A

EXISTING IMPERVIOUS: 0 SF (0%)
 PROPOSED GRAVEL (ONSITE): 54,466 SF (42.4%)
 PROPOSED CONCRETE (OFFSITE): 8,200 SF

PARKING REQUIRED: N/A
 PARKING PROVIDED: 48

CAMA LAND USE: URBAN
 PUBLIC WATER AND SEWER BY CFPWA
 EXISTING WATER FLOW: 0 GPD
 EXISTING SEWER FLOW: 0 GPD
 PROPOSED WATER FLOW: 0 GPD
 PROPOSED SEWER FLOW: 0 GPD

NOTES:

ZONING

- 1) TOPOGRAPHY AND TREE SURVEY COMPLETED BY MICHAEL UNDERWOOD SURVEYOR
- 2) EXISTING EASEMENTS AS SHOWN

TRAFFIC

- 1) DRIVEWAYS MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD-13 CoFw TECH STDS.]
- 2) CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- 3) NO ROWS TO BE CLOSED.
- 4) NO STREETS PROPOSED.
- 5) NO OFF SITE PARKING PROPOSED.
- 6) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 7) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- 8) 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 PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT. (SD 15-14 CoFw TECH STDS)
- 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.

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED DRAINAGE PLAN
 Date: _____ Permit # _____
 Signed: _____

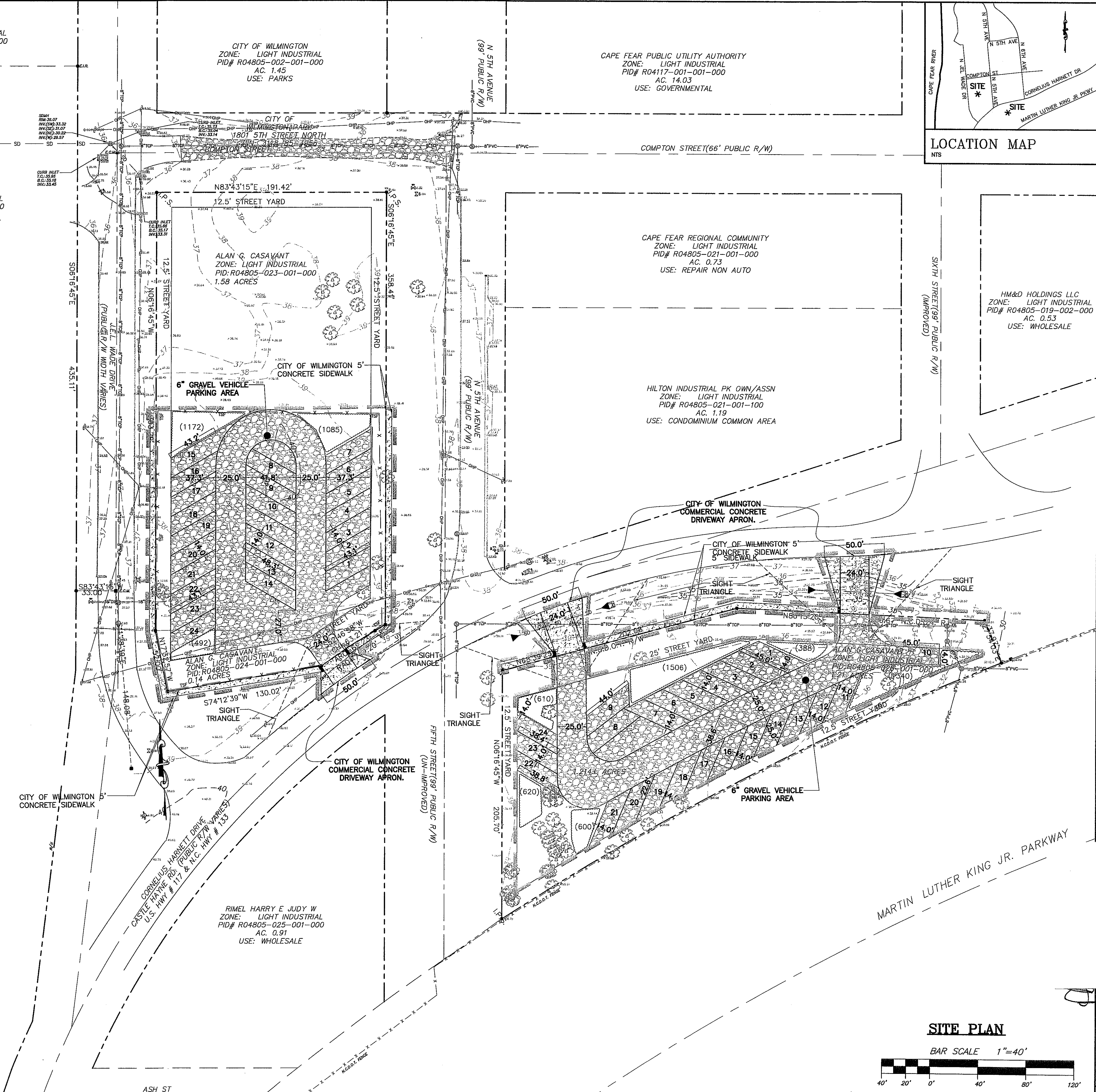
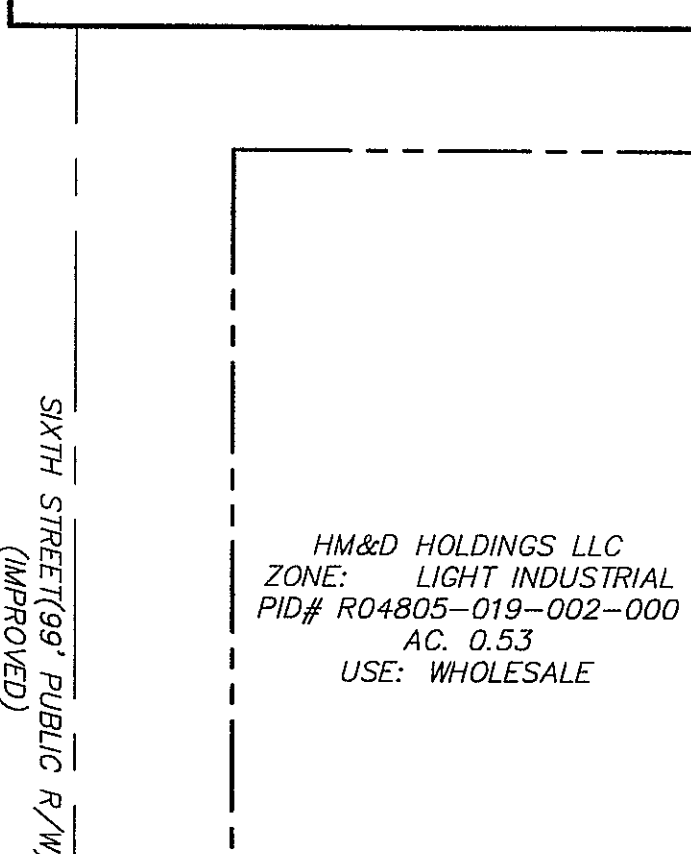
LEGEND

	PROPERTY BOUNDARY
	PROPOSED STORM DRAIN
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	PROPOSED 6" GRAVEL
	PROPOSED CONCRETE

REVISIONS

No.	Date	Description	By

LOCATION MAP



SITE PLAN

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 1998 TRIPP ENGINEERING, P.C.

CORBETT INDUSTRIES
 1701 N 5TH AVE
 WILMINGTON, NORTH CAROLINA

SITE PLAN

BAR SCALE 1"=40'



DATE	06-17-19
DESIGN	PGT
DRAWN	JET
C3	
SHEET 3 OF 6	
19006	

SITE DATA:

PROPERTY OWNER: ALLAN G CASAVANT
 PROJECT ADDRESS: 1701 N 5TH AVE
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REQUIRED SETBACKS: FRONT: 50'
 SIDE: 35'
 REAR: 35'

PROPOSED SETBACKS: FRONT: N/A
 SIDE: N/A
 REAR: N/A

BUILDING USE: N/A
 PROPOSED BUILDING AREA (GROSS): N/A
 BUILDING LOT COVERAGE: N/A
 NUMBER OF UNITS: N/A
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 SF PER FLOOR 1ST FLOOR (GROSS): N/A

EXISTING IMPERVIOUS: 0 SF (0%)
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NOTES:

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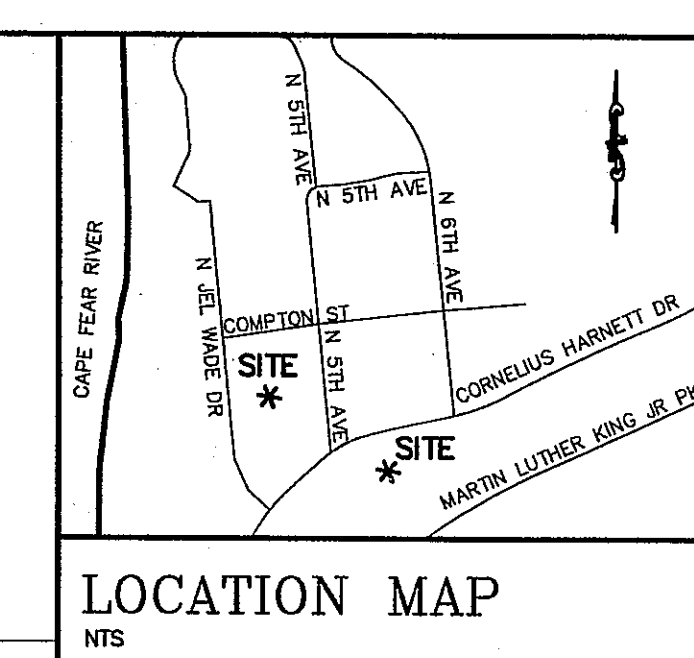
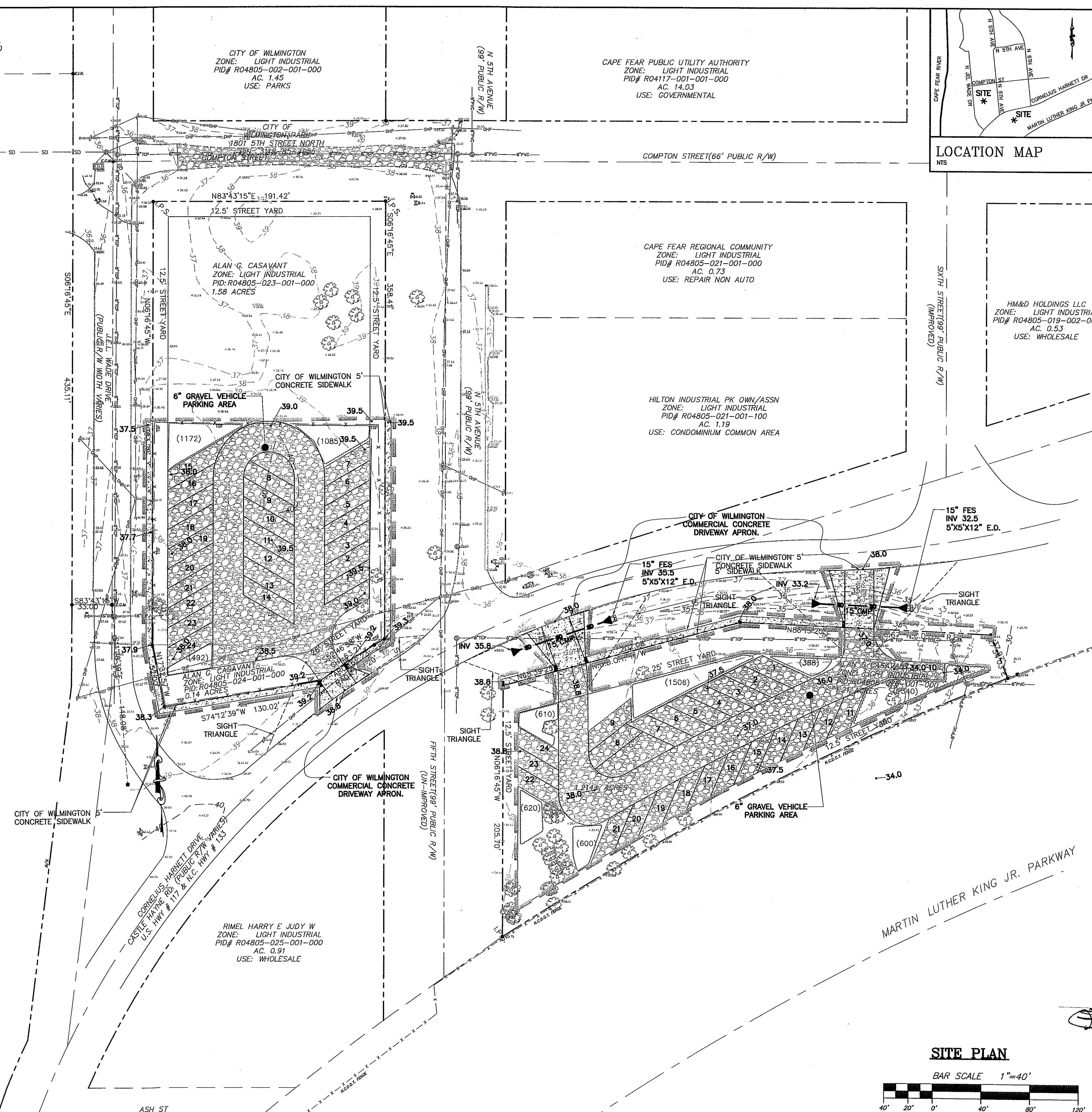
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Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	

WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED DRAINAGE PLAN
 Date: _____ Permit # _____
 Signed: _____

LEGEND

	PROPERTY BOUNDARY
	PROPOSED STORM DRAIN
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	PROPOSED 6" GRAVEL
	PROPOSED CONCRETE



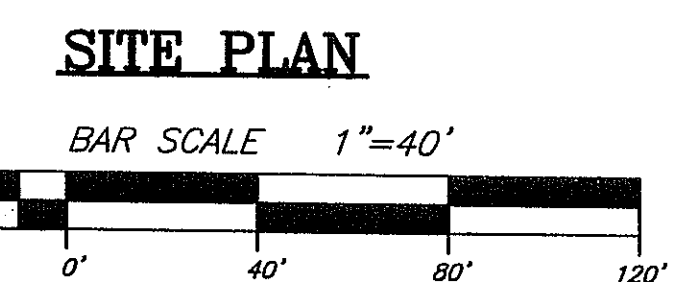
REVISIONS

No.	Date	Description	By

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-6100
 Fax 910-763-6681
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CORBETT INDUSTRIES
 1701 N 5TH AVE
 WILMINGTON, NORTH CAROLINA

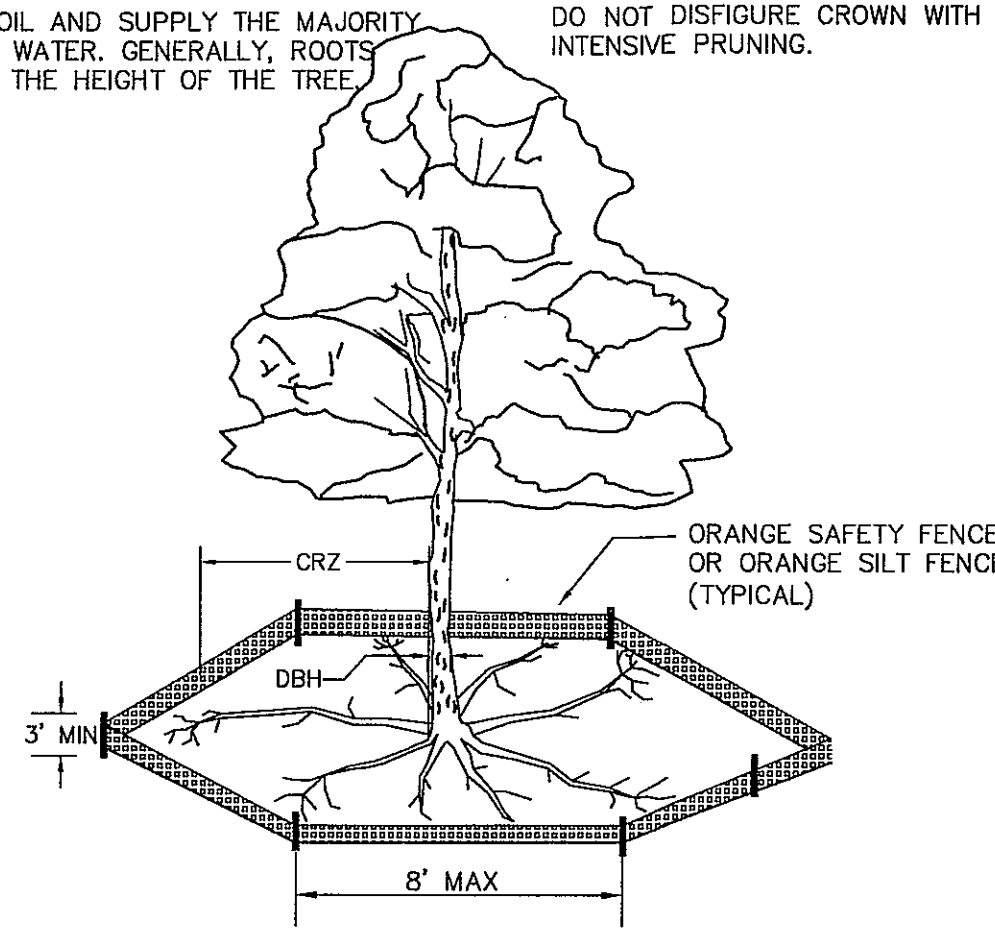
GRADING, DRAINAGE, EROSION CONTROL AND STORMWATER MANAGEMENT PLAN



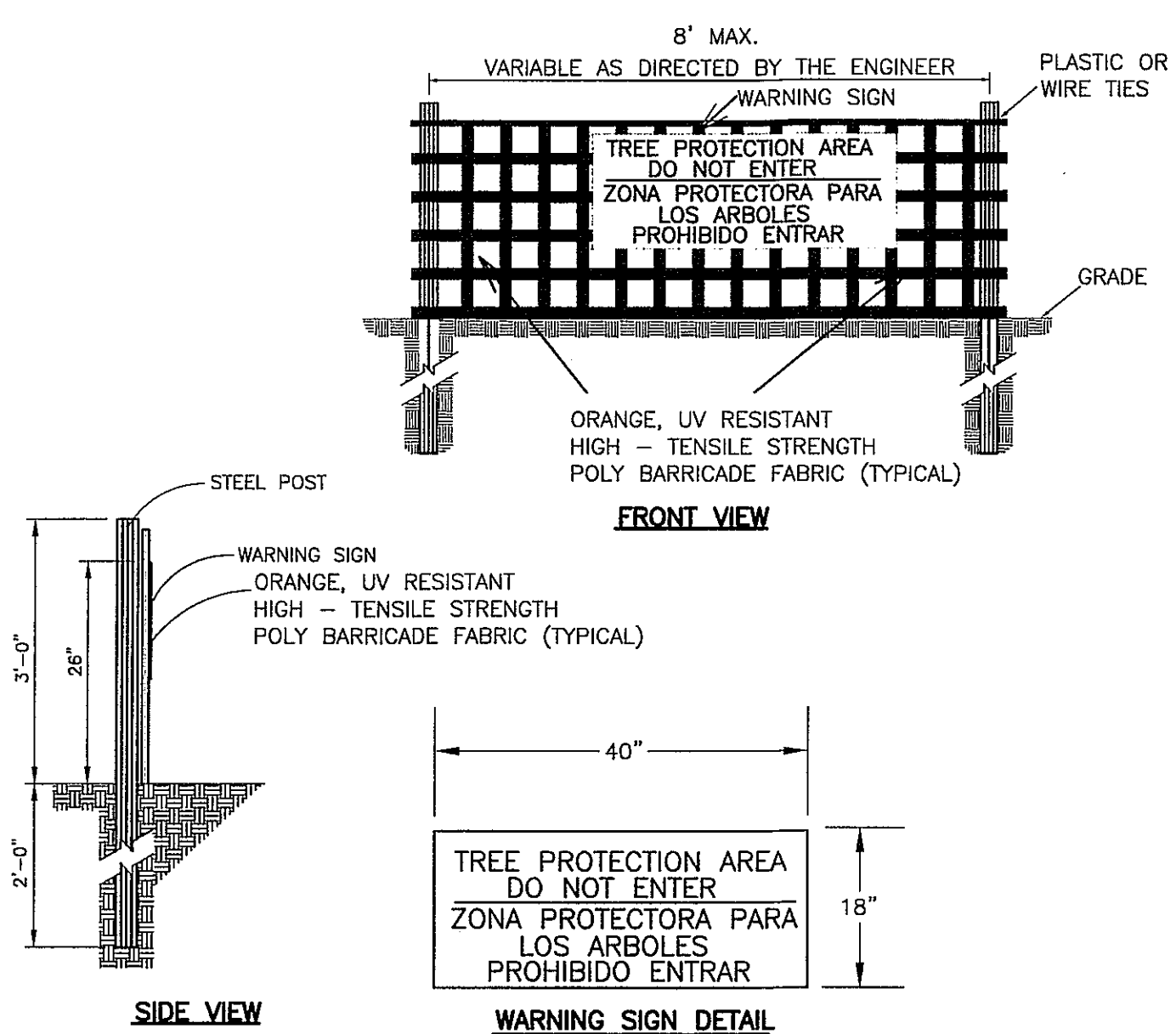
DATE	06-17-19
DESIGN	PGT
DRAWN	JET
C4	
SHEET 4 OF 6	
19006	

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.



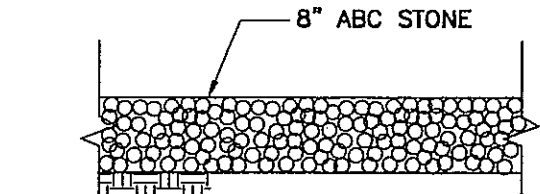
- NOTES:
- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
 - CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
 - IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
 - WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
 - FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
 - FALLING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY, DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.



- NOTES:
- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
 - WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAIL.
 - SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
 - ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
 - TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
 - ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

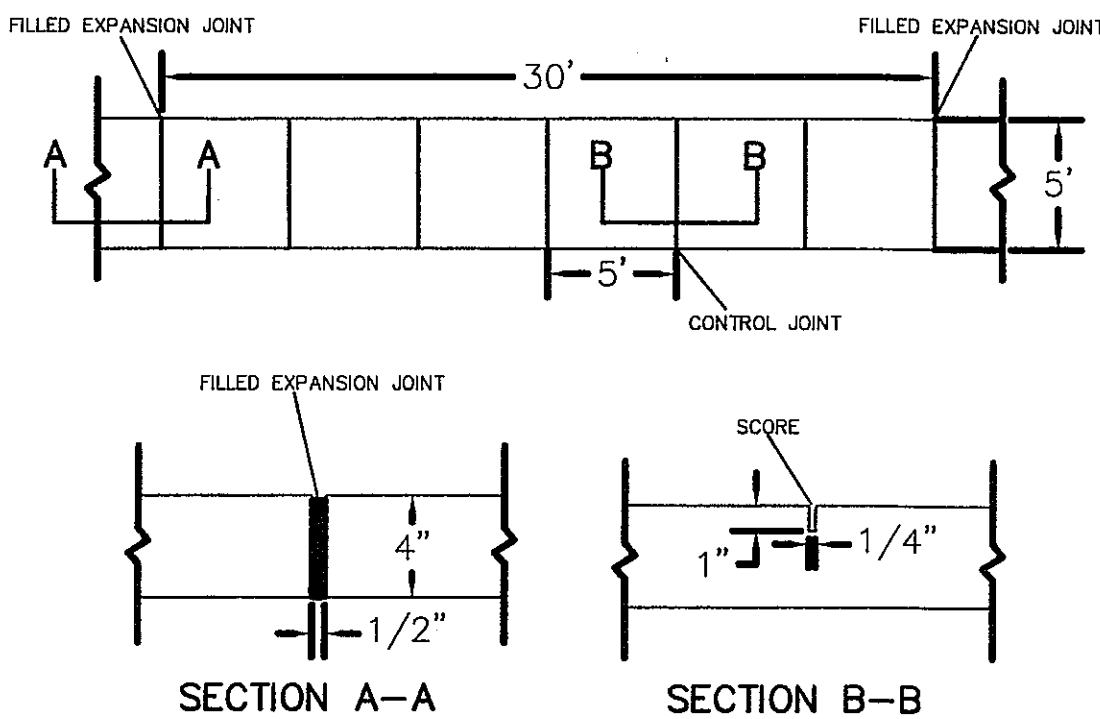
TREE PROTECTION DURING CONSTRUCTION SD 15-09

NOT TO SCALE



PARKING LOT GRAVEL SECTION

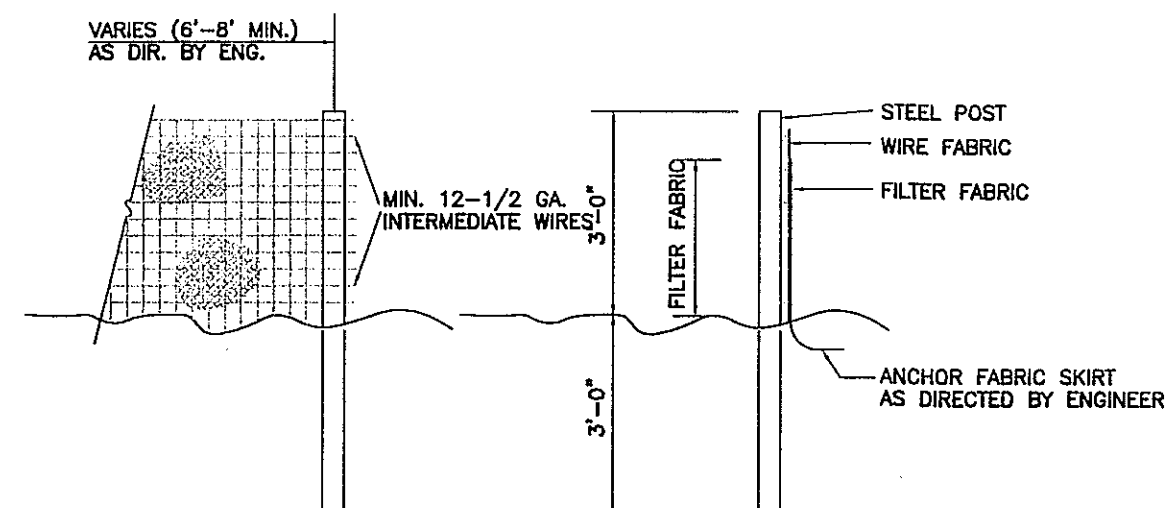
N/S



- NOTES:
- JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
 - SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
 - MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
 - CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
 - MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
 - 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
 - MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12".
 - MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1.
 - MIN GRADE FOR PROPER DRAINAGE IS 1/4" IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

CITY OF WILMINGTON SIDEWALK SD 3-10

N/S



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

TEMPORARY SILT FENCE

N/S

DESCRIPTION	TIMEFRAME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (H2O) 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 PERIMETER DIKES AND SWALES)

NPDES GROUND STABILIZATION CRITERIA

N/S

SEEDING MIXTURE	RATE (lb./ac)
SPECIES:	
PERennial BHRGRASS	15
SEEDS ESPECIALLY	30
COMMON BHRGRASS	10
ORCHARD GRASS	10
GOLDFEN SWEET	10
ALL TOTALS	75

SEEDING DATES: APRIL 1 - JUNE 15

SOIL AMENDMENTS: APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS OR APPLY 2,000 LB./ACRE GROUND AGRICULTURAL LIMESTONE AND 50 LB./ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB./ACRE STRAW OR EQUIVALENT COVER OF ANCHORED SODDESS MASH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DSK WITH BLADES SET HEAVILY STRONG CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS. RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS.

SEEDING MIXTURE	RATE (lb./ac)
SPECIES:	
RYE (GRAIN)	120
ORCHARD GRASS	30
COMMON BHRGRASS	30
PERennial BHRGRASS	30
ALL TOTALS	210

SEEDING DATES: JANUARY - APRIL; OCTOBER - DECEMBER

SOIL AMENDMENTS: APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS OR APPLY 3,000-5,000 LB./ACRE GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 50 LB./ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB./ACRE STRAW OR EQUIVALENT COVER OF ANCHORED SODDESS MASH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DSK WITH BLADES SET HEAVILY STRONG CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS. RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS.

SEEDING MIXTURE	RATE (lb./ac)
SPECIES:	
RYE (GRAIN)	120
ORCHARD GRASS	30
COMMON BHRGRASS	30
PERennial BHRGRASS	30
ALL TOTALS	210

SEEDING DATES: MONTHLY - ABOVE 2000 FT. Feb. 15-May 15; Below 2000 Ft. Feb. 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 OR EQUIVALENT COVER OF ANCHORED SODDESS MASH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DSK WITH BLADES SET HEAVILY STRONG CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS. RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS.

SEEDING MIXTURE	RATE (lb./ac)
SPECIES:	
RYE (GRAIN)	120

SEEDING NOTES: MONTHLY - AUG. 15-DEC. 15; COASTAL PLAIN AND PEDESTAL - AUG. 15-DEC. 30

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB./ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB./ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB./ACRE STRAW OR EQUIVALENT COVER OF ANCHORED SODDESS MASH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DSK WITH BLADES SET HEAVILY STRONG CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS. RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS.

SEEDING MIXTURE	RATE (lb./ac)
SPECIES:	
RYE (GRAIN)	120

SEEDING NOTES: MONTHLY - AUG. 15-DEC. 15; COASTAL PLAIN AND PEDESTAL - AUG. 15-DEC. 30

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB./ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB./ACRE 10-10-10 FERTILIZER.

MULCH: APPLY 4,000 LB./ACRE STRAW OR EQUIVALENT COVER OF ANCHORED SODDESS MASH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DSK WITH BLADES SET HEAVILY STRONG CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS. RESEED/REFILL AS NECESSARY. REFERTILIZE AND MASH IN 15-30 DAYS.

SITE WORK NOTES

- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR 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 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 SOFT AREAS.
- DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY. FILL AND COMPACT TO COORDINATE REMOVAL OF SOFT AREAS.
- FILL AND COMPACT TO COORDINATE REMOVAL OF SOFT AREAS.
- THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK 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 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 PROVIDED BY PORT CITY GEOMATICS & SUPPLIED BY 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 BARRICADES, 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 LAKE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A COLORFAST, NON-FLUORID, FS II-9-115 TYPE 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. FIELD 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 HAS ACCUMULATED IN FRONT OF THE DEVICES OR WHEN THEY LEAK OR FALL. 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 LEVEL 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 DRAINAGE.
- A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
- MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS LIST DO NOT PREVENT EROSION.
- 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 RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, 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 OF 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 WITH 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 EMPLOYED 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. DIVERSION DITCHES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED WHEN THE SEDIMENT FENCE IS COLLAPSED OR BARRIERS WILL BE REPAIRED. 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, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
- 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 DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED OR IS DAMAGED. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH 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 ACC TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAY OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
- FLOCCULATES WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOI INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGE.

SITE EQUIVALENTS NOTES

- LOCATE AREAS DESIGNATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND D AND HAZARDOUS OR TOXIC WASTE. THIS LOCATION SHALL BE AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND WATER 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 EXISTING 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 RUN OFF SURFACE WATERS, WETLANDS OR BUFFERS. NO CONCRETE OR GROUT SLURRY SHALL BE DISCHARGED FROM THE SITE.
- ANY HARDENED CONCRETE RESIDUE WILL BE DISPOSED OF, OR RECYCLED ON-SITE, IN ACCORDANCE WITH LOCAL SOLID WASTE REGULATIONS.
- SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED ACCORDING TO THE FOLLOWING SEQUENCE:
 - PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 HORIZONTAL, TO 1/2 THE ORIGINAL PLAN AND PREVIOUS - AUG. 15-DEC 30
 - PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - 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.
 - EXTENSIONS OF THE 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 THE SLOPE IS FLATTER THAN 3:1. THE 14-DAY REQUIREMENT APPLIES.
 - ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
 - SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
 - ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
 - EXTENSIONS OF THE TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
 - FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL, COMMISSION-DEFINED "HIGH QUALITY WATER ZONE" (15A NCD 04A. 0105), 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 910-763-5681
© 2013 TRIPP ENGINEERING, P.C.

CORBETT INDUSTRIES
1701 N 5TH AVE
WILMINGTON, NORTH CAROLINA

DATE 06-17-19
DESIGN PGT
DRAWN JET

C5

SHEET 5 OF 6
19006

Approved Construction Plan

Name _____ Date _____

City of WILMINGTON NORTH CAROLINA

Public Services • Engineering Division

APPROVED DRAINAGE PLAN

Date: _____ Permit # _____


Signed: _____

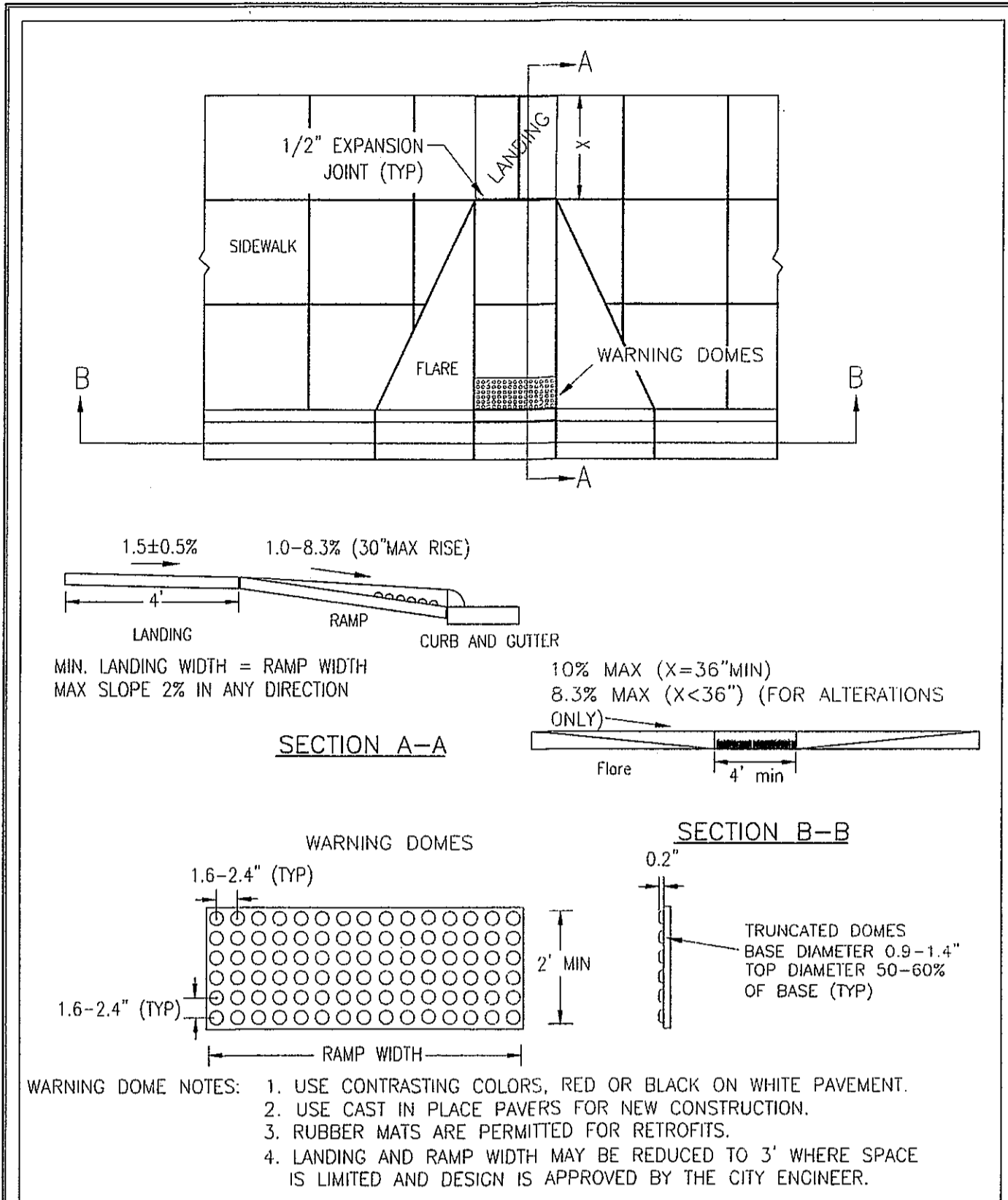
Planning _____


Traffic _____

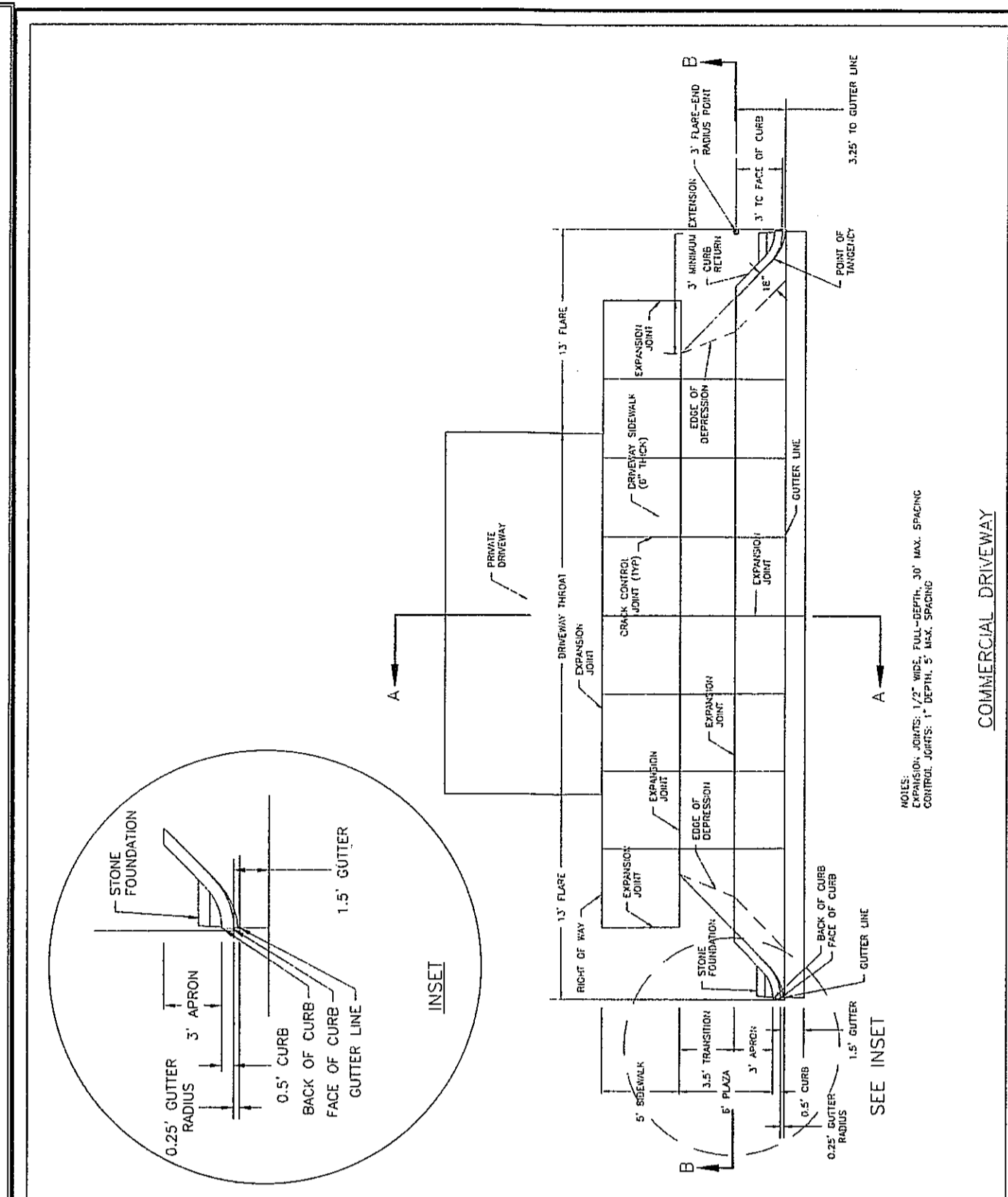
Fire _____


- No plantings over thirty (30) inches in height allowed in vision clearance.
- Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- Owner is responsible for maintenance to ensure plant material lives and prospers.
- Planting plans shall be approved by Landscape Designer prior to installation.
- Landscaping shall be required at the ends of all parking rows.
- A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- For recommended Plant List see "Landscape" T-10.4.

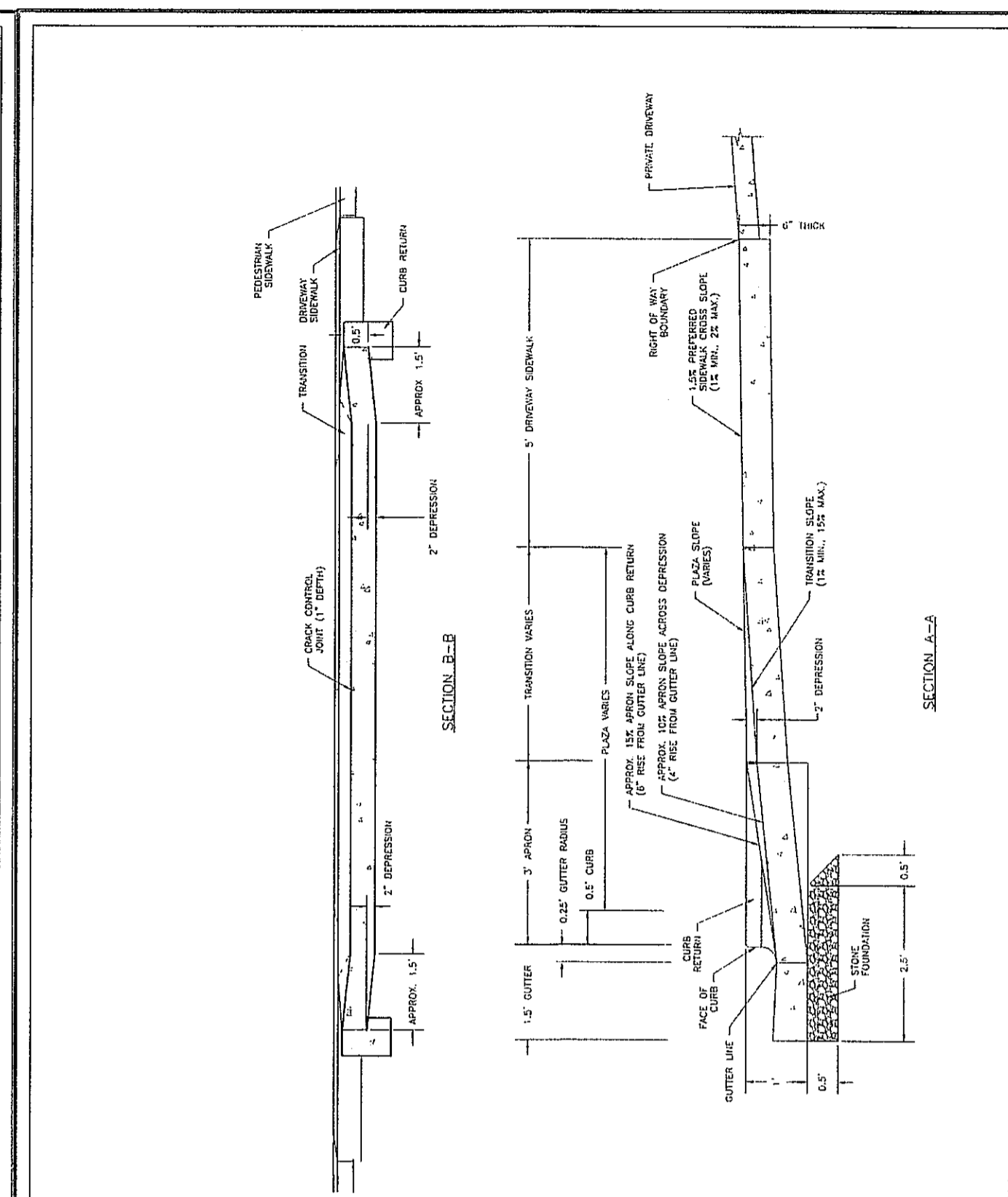
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-14
LANDSCAPE NOTES			
DATE: APRIL, 2006			
DRAWN BY: JSR			
CHECKED BY: B.P., P.E.			
SCALE: NOT TO SCALE			




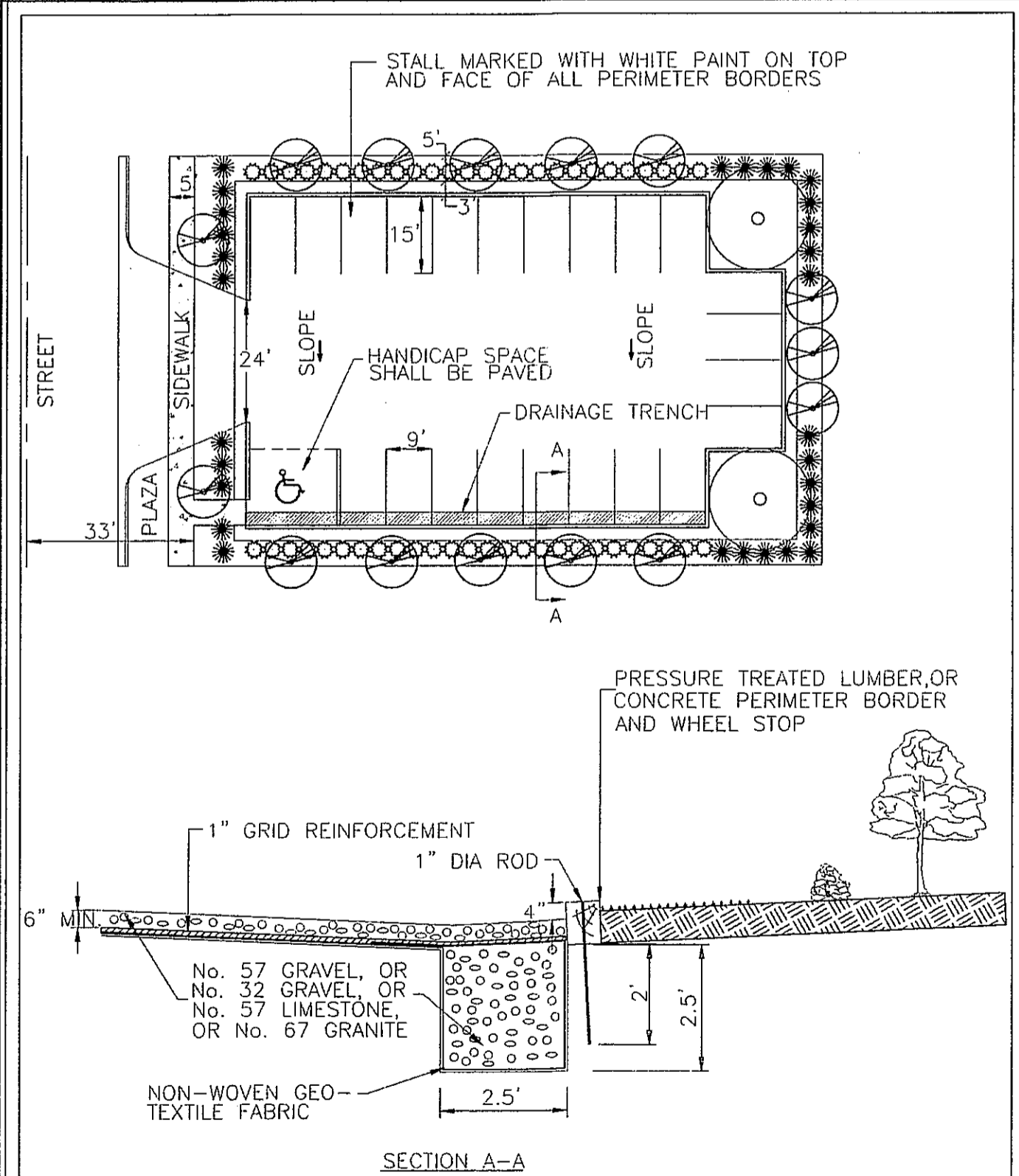
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 3-07
PERPENDICULAR CURB RAMP ADJACENT TO WALKING SURFACE			
DATE: DECEMBER, 2010			
DRAWN BY: PB/JSR			
CHECKED BY: DBC			
SCALE: NOT TO SCALE			




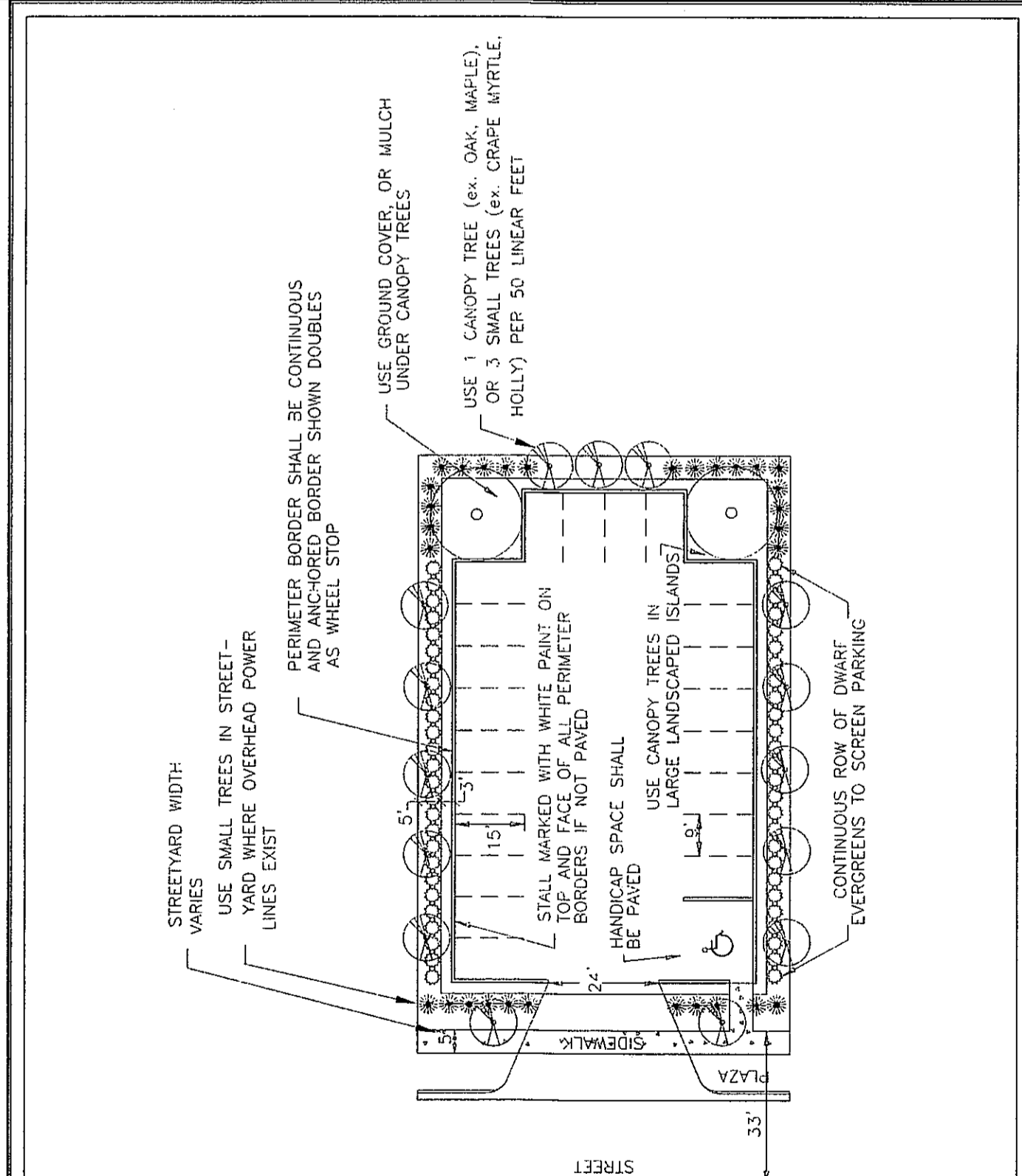
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 3-03.3
COMMERCIAL DRIVEWAY PLAN (VERTICAL CURB)			
DATE: FEB. 14, 2017			
DRAWN BY: JSR			
CHECKED BY: D.E.C., P.E.			
SCALE: NOT TO SCALE			




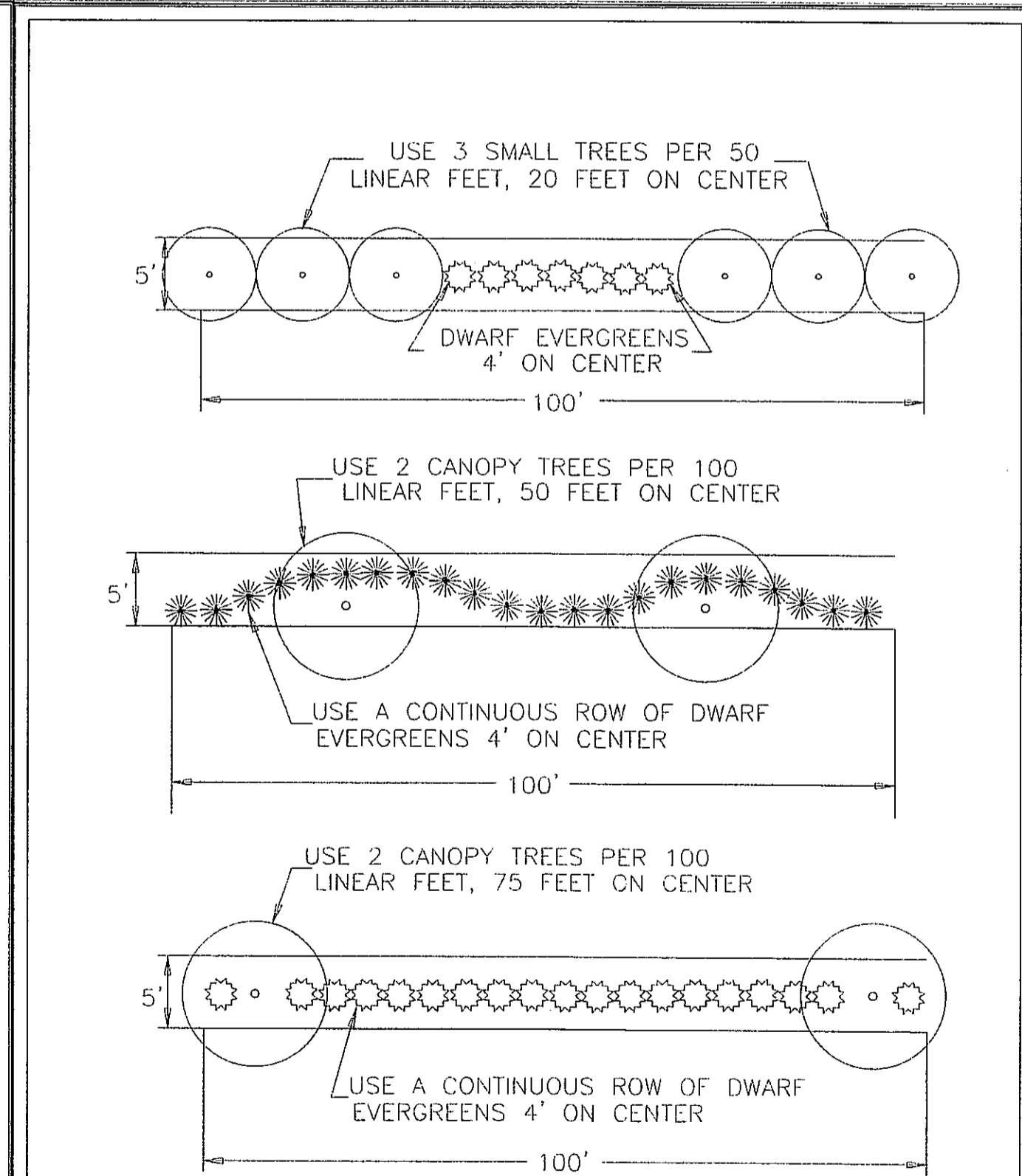
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 3-03.4
COMMERCIAL DRIVEWAY SECTIONS (VERTICAL CURB)			
DATE: FEB. 14, 2017			
DRAWN BY: JSR			
CHECKED BY: D.E.C., P.E.			
SCALE: NOT TO SCALE			




STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-10
TYPICAL UNPAVED PARKING FACILITY UNDER 25 STALLS			
DATE: 2001			
DRAWN BY: JSR/CMR			
CHECKED BY: B.P., P.E.			
SCALE: NOT TO SCALE			




STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-11
PARKING FACILITY UNDER 25 STALLS PAVED OR UNPAVED			
DATE: 2001			
DRAWN BY: JSR/CMR			
CHECKED BY: B.P., P.E.			
SCALE: NOT TO SCALE			



STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-11
PARKING FACILITY UNDER 25 STALLS PAVED OR UNPAVED			
DATE: 2001			
DRAWN BY: JSR/CMR			
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SCALE: NOT TO SCALE			

Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	

 Public Services • Engineering Division APPROVED DRAINAGE PLAN	
Date: _____	Permit # _____
Signed: _____	

REVISIONS		
No.	Date	Description

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 Wilmington, North Carolina 28401
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 Fax 910-763-5631
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DESIGN PGT
 DRAWN JET
 C6
 SHEET 6 OF 6
 19006