

TREE TYPE	SAVE/REMOVE
5" MAGNOLIA	SAVE
5" MAGNOLIA	SAVE
5" MAGNOLIA	SAVE
5" DOGWOOD	REMOVE
7" MAGNOLIA	SAVE
8" MAGNOLIA	SAVE
8" WATER OAK	REMOVE
9" LIVE OAK	REMOVE
8" & 9" DOUBLE OAK	SAVE
10" WATER OAK	SAVE
10" WATER OAK	REMOVE
11" BAY	SAVE
11" HICKORY	SAVE
12" HICKORY	SAVE
12" WATER OAK	SAVE
12" WATER OAK	SAVE
15" PINE	REMOVE
16" LIVE OAK	REMOVE
16" WATER OAK	REMOVE
17" SWEET GUM	REMOVE
18" MAPLE	SAVE
21" HICKORY	REMOVE
22" PINE	REMOVE
24" LIVE OAK	REMOVE
26" HEMLOCK	REMOVE
26" PINE	REMOVE
26" PINE	SAVE
26" PINE	SAVE
30" PINE	SAVE
30" PINE	SAVE
32" PINE	REMOVE

Jeanne S. Chase
Lot 27 Wood Acres
Deed Book 9801, Page 2413
Map Book 5, Page 123
Zoning R-15

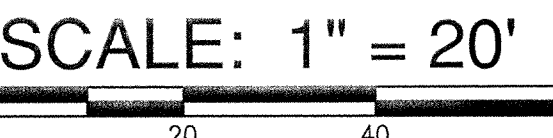
Arthur Ard
Lot 26 Wood Acres
Deed Book 5838, Page 72
Map Book 5, Page 123
Zoning R-15

Jennifer L. & Michael J. Connolly
Lot 25 Wood Acres
Deed Book 5619, Page 1968
Map Book 5, Page 123
Zoning R-15

C. & Donna C. Johnson
Wood Acres
Deed Book 893, Page 123
Zoning R-15

Hewletts Run Homeowners Association
Deed Book 2251, Page 928
Map Book 37, Page 183
Zoning R-15

LEGEND	
---	PROPERTY LINE
---	RIGHT OF WAY
---	EXISTING CONTOUR
---	EXISTING SPOT ELEVATION
×	EXISTING TREE TO BE SAVE
×	EXISTING TREE TO BE REMOVED



SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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DEMOLITION PLAN

DOLLAR GENERAL - PINE GROVE

NEW HANOVER COUNTY, NORTH CAROLINA

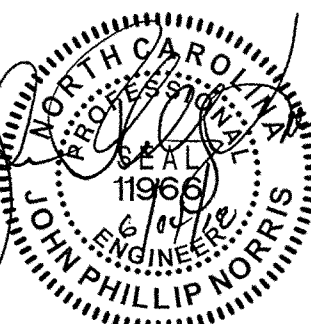
OWNER:
PAR 5 DEVELOPMENT, LLC
2860-B NC HWY 5
ABERDEEN, NC 28315
(P) 910-944-0881
lee@thetsoncompanies.com

NORRIS & TUNSTALL
CONSULTING ENGINEERS P.C.
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PHONE (910) 343-9653

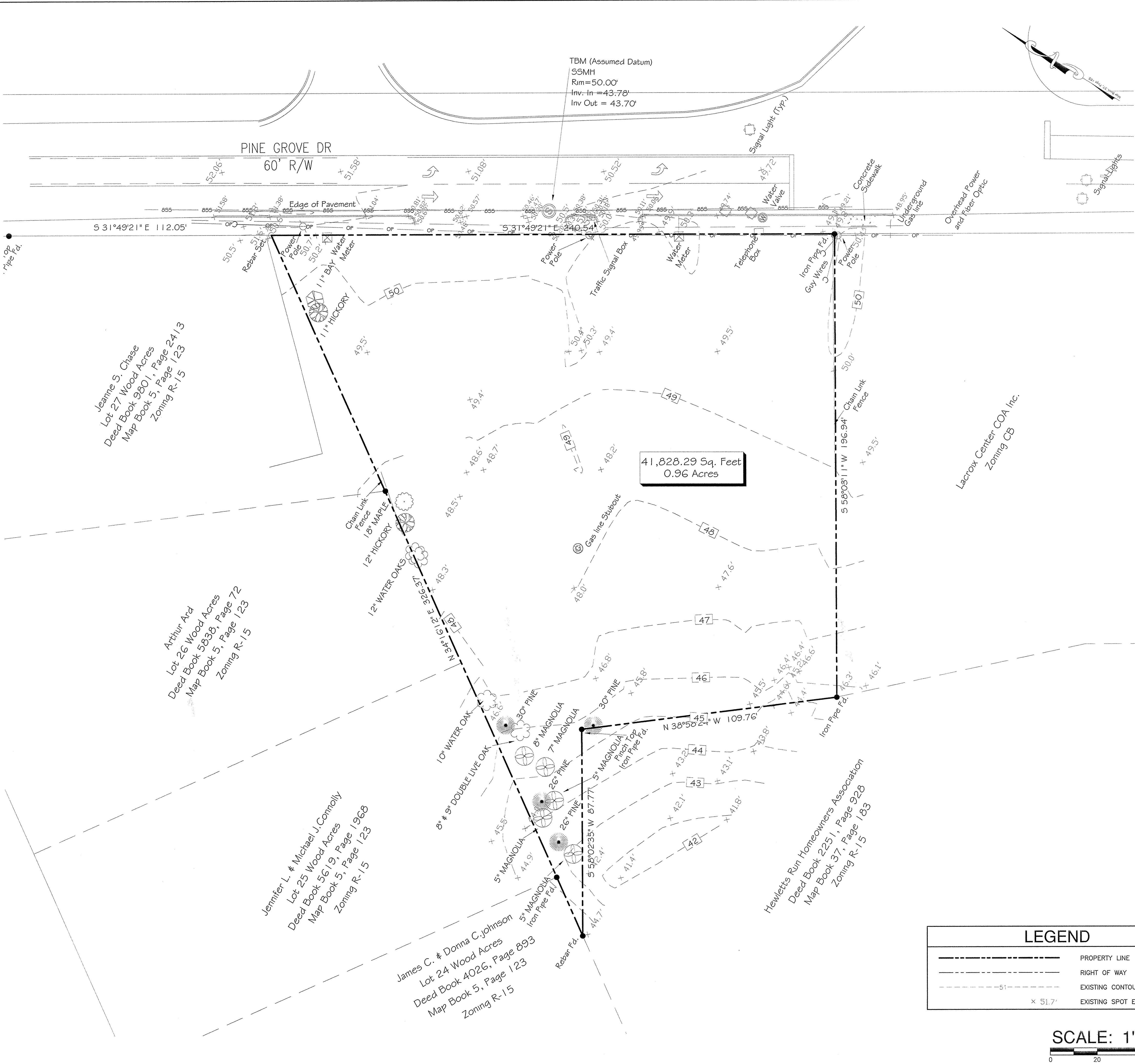
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CKD.	JPN
DRWN.	EDB
DATE	04/03/18



C1.1



SITE INVENTORY DATA	
PLAN PREPARER:	NORRIS & TUNSTALL CONSULTING ENGINEERS.
APPLICANT NAME:	J. PHILLIP NORRIS, P.E.
SITE ADDRESS:	810 PINE GROVE DR.
PROPERTY OWNER:	FRANK McNEILL AND CARITA McNEILL
DEVELOPER:	PAR 5 DEVELOPMENT GROUP, LLC
PARCEL #:	R06116-001-004-000
ZONING:	CB
ADJACENT PROPERTY OWNER:	SEE SITE PLAN
VICINITY MAP:	SEE PLAN
TOPOGRAPHIC DATA:	SEE PLAN
100 'YR FLOOD ELEVATION:	N/A
LOCATION OF WATER FEATURES:	N/A
SOILS TYPE:	Bh, JO
CAMA DATA:	N/A
CAMA CLASSIFICATION:	URBAN
CONSERVATION RESOURCES:	N/A
RECOGNIZED SITE:	N/A
CEMETERIES:	N/A
FORESTED AREAS:	N/A
WETLANDS:	N/A
PROTECTED SPECIES:	N/A
TRANSPORTATION DATA:	SEE PLAN

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SITE INVENTORY PLAN

SITE INVENTORY PLAN

DOLLAR GENERAL - PINE GROVE

NEW HANOVER COUNTY, NORTH CAROLINA

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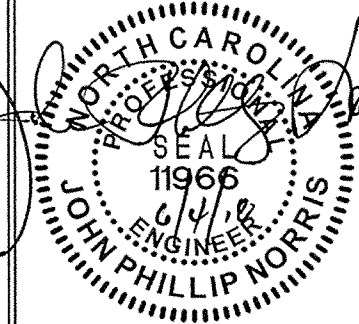
902 MARKET STREET
WILMINGTON, NC 28401
PHONE (910) 343-9653

Licence #C-3641

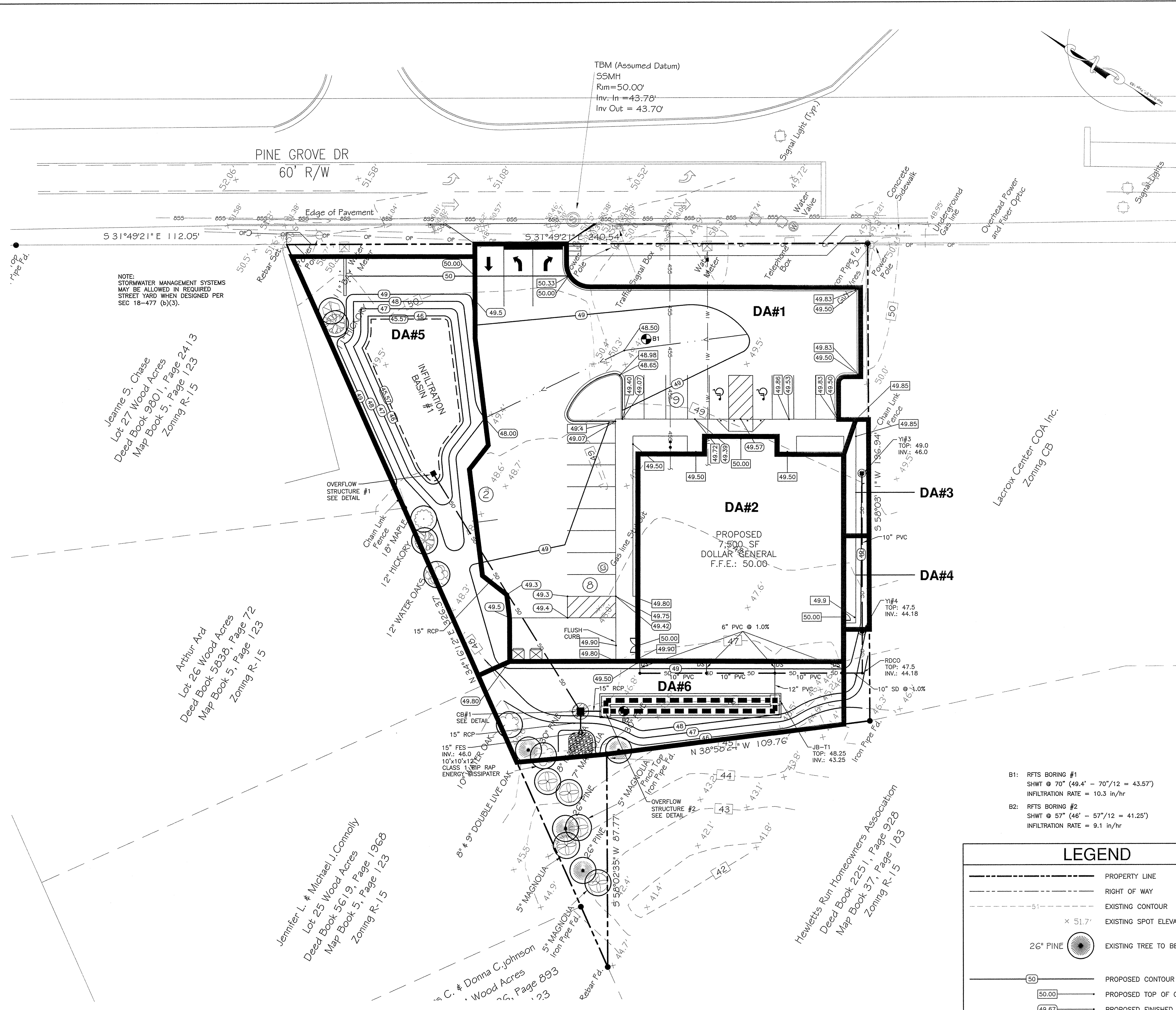
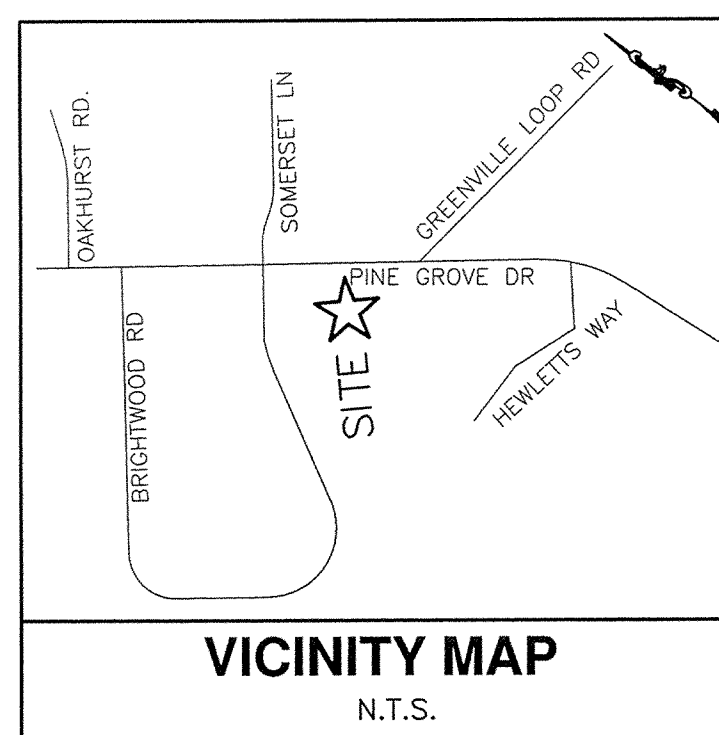
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C1



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lee@rhetsconcompanies.com

DRAINAGE AREA MAP
DOLLAR GENERAL - PINE GROVE

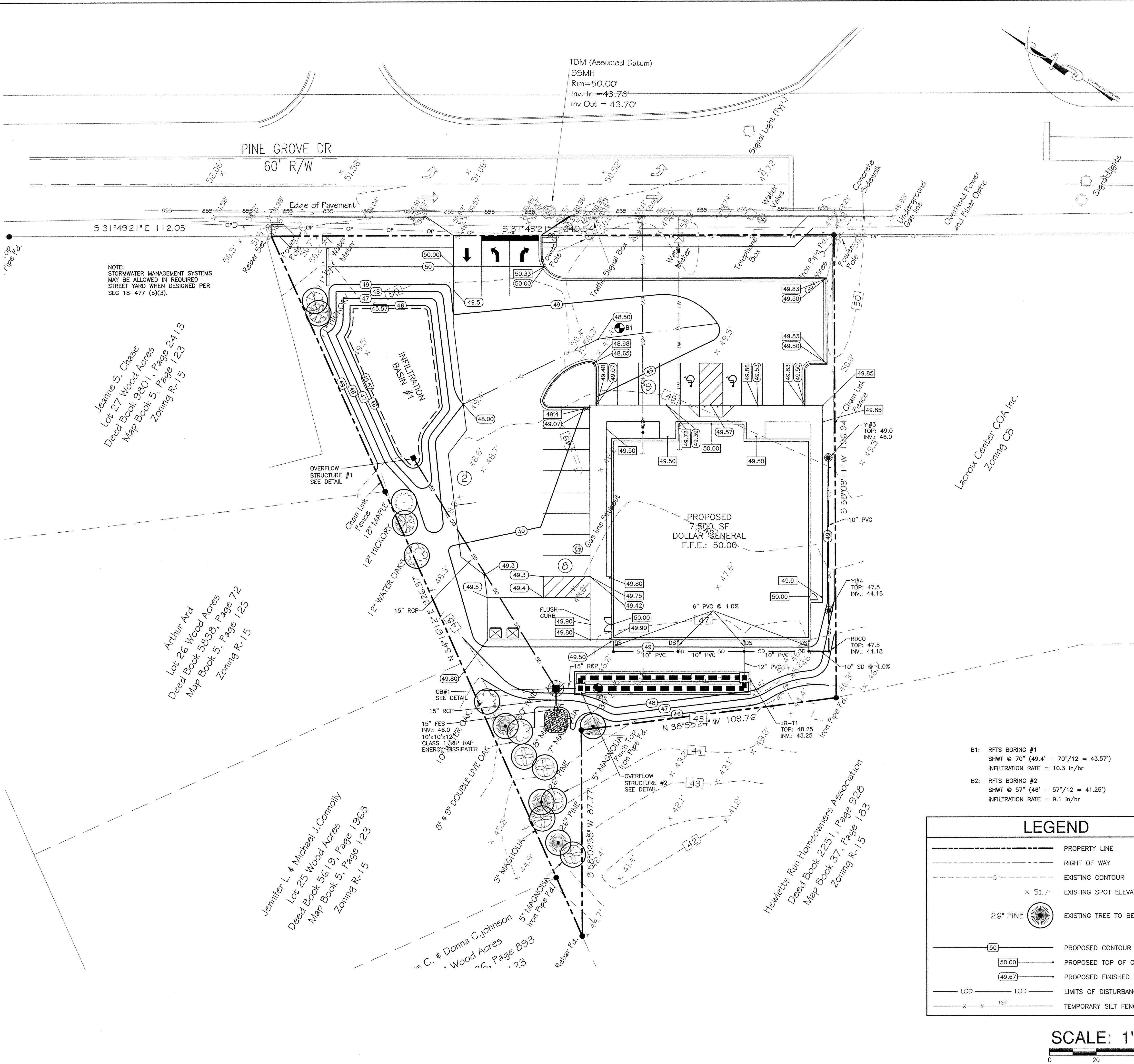
NEW HANOVER COUNTY, NORTH CAROLINA

C2.1

Licence #C-3641

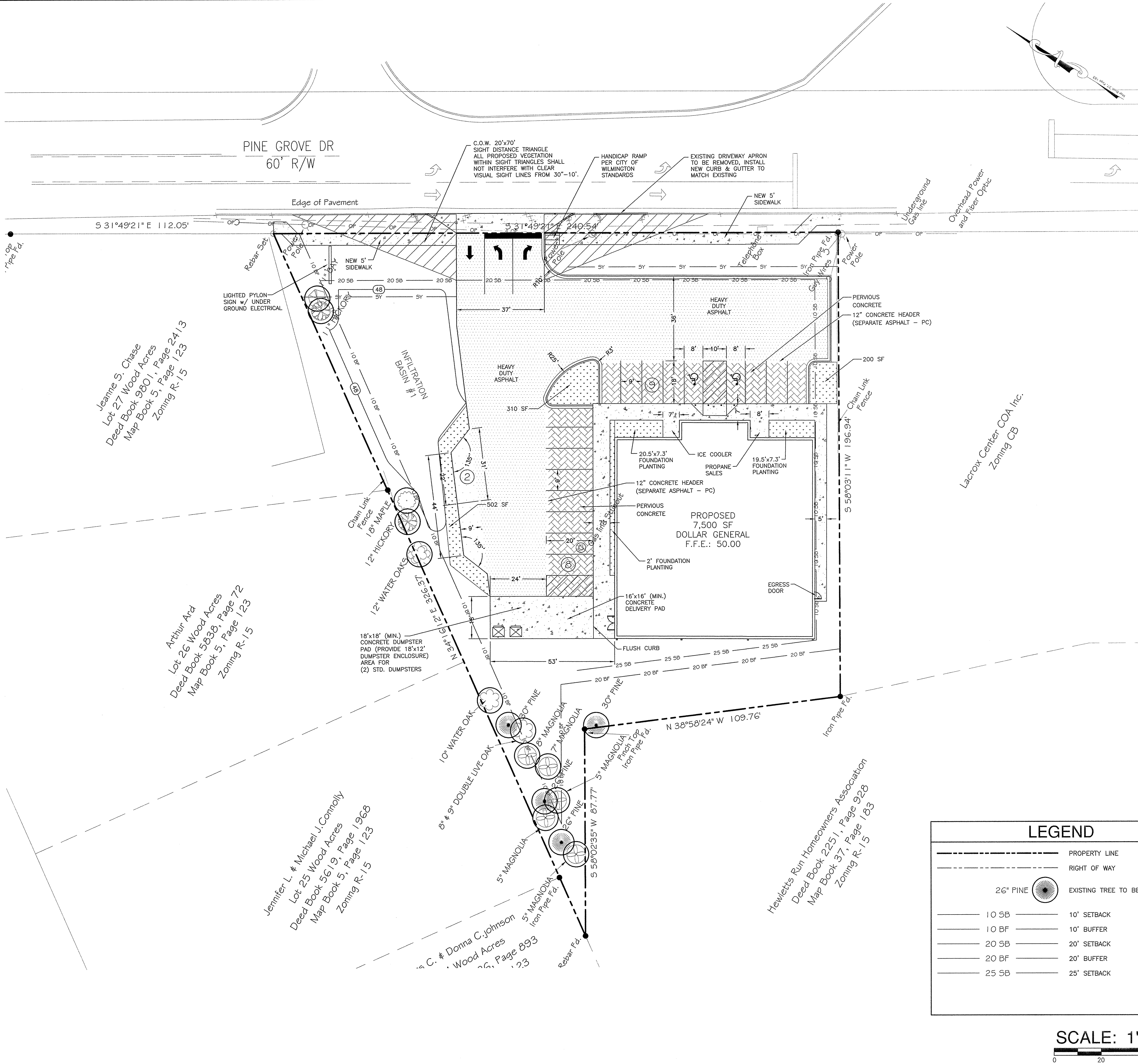
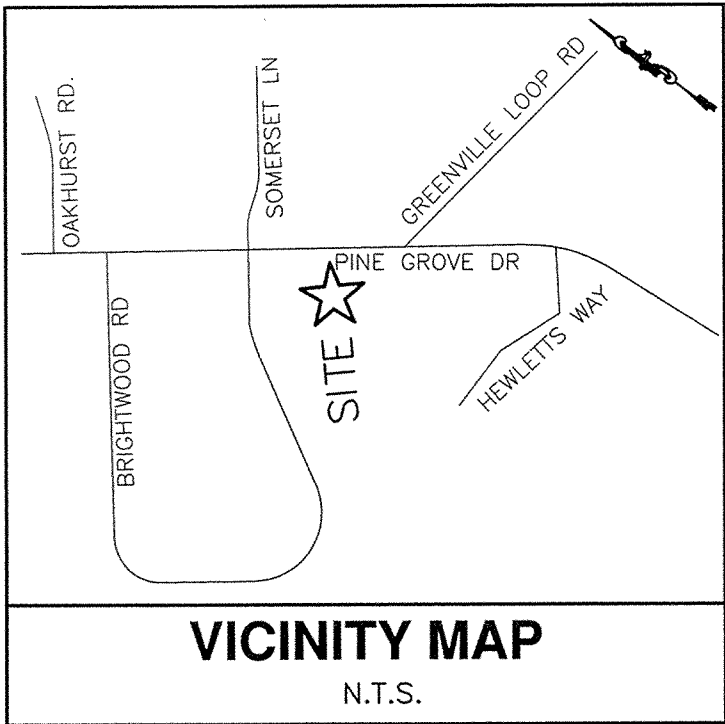
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DATE	05/29/18



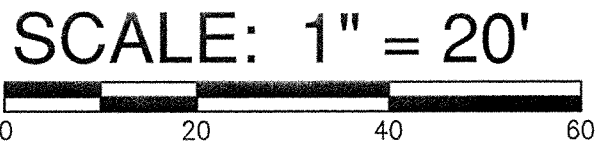
<p>NORRIS & TUNSTALL — CONSULTING ENGINEERS P.C. —</p> <p>902 MARKET STREET WILMINGTON, NC. 28401 PHONE (910) 343-9653</p> <p>1429 ASH-LITTLE RIVER RD. NW ASH, NC. 28420 PHONE (910) 287-5900</p>	<p>OWNER: PAR 5 DEVELOPMENT, LLC 2860-B NC HWY 5 ABERDEEN, NC 28315 (P) 910-944-0881 lee@helsconcompanies.com</p>	<p>GRADING PLAN</p> <p>DOLLAR GENERAL - PINE GROVE</p> <p>NEW HANOVER COUNTY, NORTH CAROLINA</p>
	<p>Licence #C-3641</p> <p>17145</p> <p>DES. JPN OKD. JPN DRWN. EDB</p> <p>DATE 05/29/18</p>	

C2



SITE DATA	
PARCEL NUMBER:	R08116-001-004-000
NEW SITE AREA:	41,828.29 SF / 0.96 AC
ZONING:	CB
DISTURBED AREA:	-
BUILDING USE:	RETAIL
BUILDING HEIGHTS:	18' - 1 STORY - 7,500 SF
BUILDING LOT COVERAGE:	18%
WATER/SEWER DEMAND:	200 GALLONS PER DAY
BUILDING SETBACKS:	
FRONT:	20'
SIDE:	10'
REAR:	25' - ADJACENT TO RESIDENTIAL
BUFFER:	20' - ADJACENT TO RESIDENTIAL
EXISTING IMPERVIOUS:	5,275 SF
EXISTING IMPERVIOUS TO BE REMOVED:	5,275 SF
EXISTING IMPERVIOUS TO REMAIN:	0 SF
PROPOSED IMPERVIOUS AREA:	
BUILDING:	7,500 SF
DRIVE ISLE / PARKING:	13,345 SF
WALKS / CONCRETE:	3,620 SF
TOTAL IMPERVIOUS AREA: PROPOSED	24,465 SF/0.56 AC
% IMPERVIOUS:	59.0%
PROPOSED OFFSITE IMPERVIOUS AREA:	
ASPHALT:	250 SF
WALKS / CONCRETE:	130 SF
PARKING REQUIREMENTS:	
MINIMUM: 1 PER 400 SF	18.75 SPACES
MAXIMUM: 1 PER 200 SF	37.5 SPACES
PARKING PROVIDED:	
SPACES PROVIDED:	17 SPACES
HANDICAP SPACES PROVIDED:	2 SPACES
TOTAL SPACES PROVIDED:	19 SPACES
STREET/YARD:	
MULTIPLIER:	18
REQUIRED:	(240.54'-37') 18=3,663.72 SF
PROVIDED:	3,729 SF
FOUNDATION PLANTING:	
REQUIRED: (FRONT)	(18'x85') .12 = 183.6 SF
PROVIDED: (FRONT)	220 SF
REQUIRED: (SIDE)	(18'x58') .12 = 125.28 SF
PROVIDED: (SIDE)	130 SF

LEGEND	
-----	PROPERTY LINE
-----	RIGHT OF WAY
26" PINE	EXISTING TREE TO BE SAVE
10 SB	10' SETBACK
10 BF	10' BUFFER
20 SB	20' SETBACK
20 BF	20' BUFFER
25 SB	25' SETBACK



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LAYOUT PLAN

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PHONE (910) 287-5960

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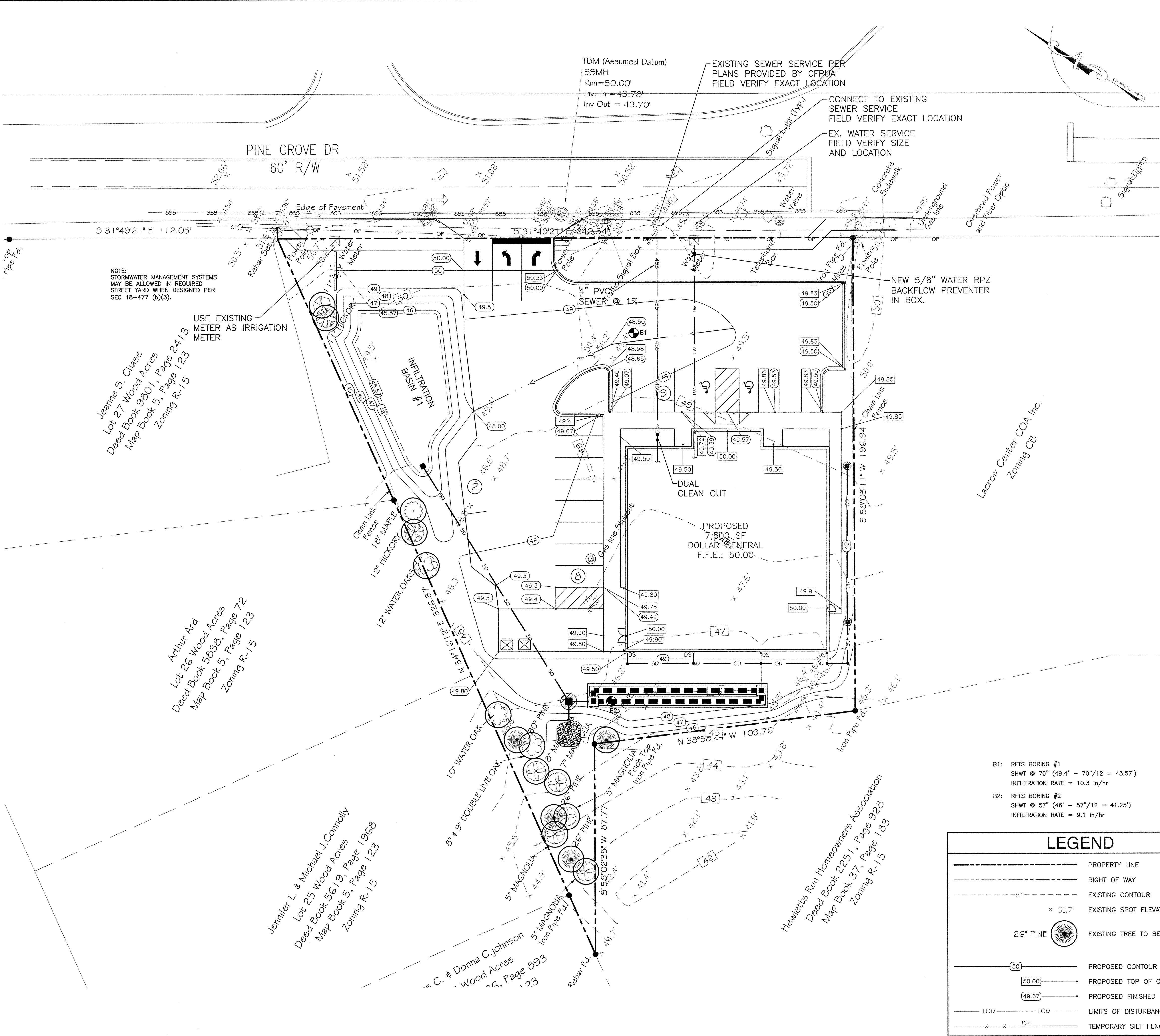
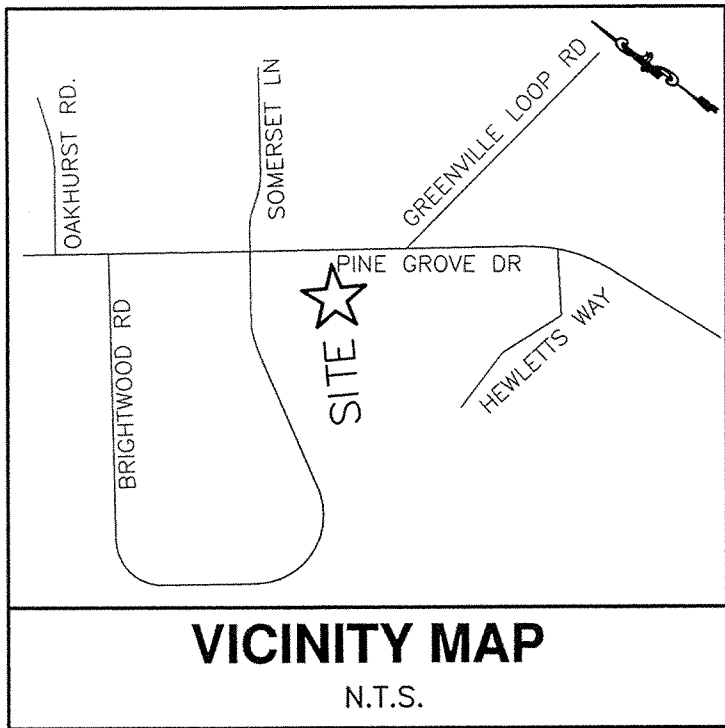
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DRWN. EDB

DATE 04/03/18

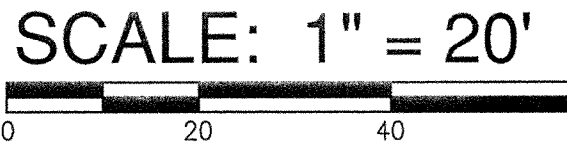
1966

1000 PHILLIP NORRIS

C3



LEGEND	
	PROPERTY LINE
	RIGHT OF WAY
	EXISTING CONTOUR
	EXISTING SPOT ELEVATION
	EXISTING TREE TO BE SAVED
	PROPOSED CONTOUR
	PROPOSED TOP OF CURB/SIDEWALK
	PROPOSED FINISHED GRADE
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE



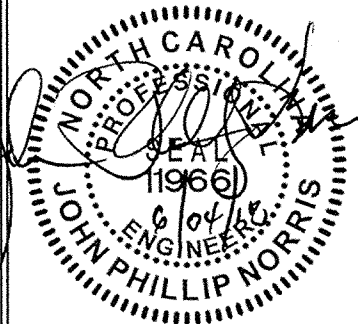
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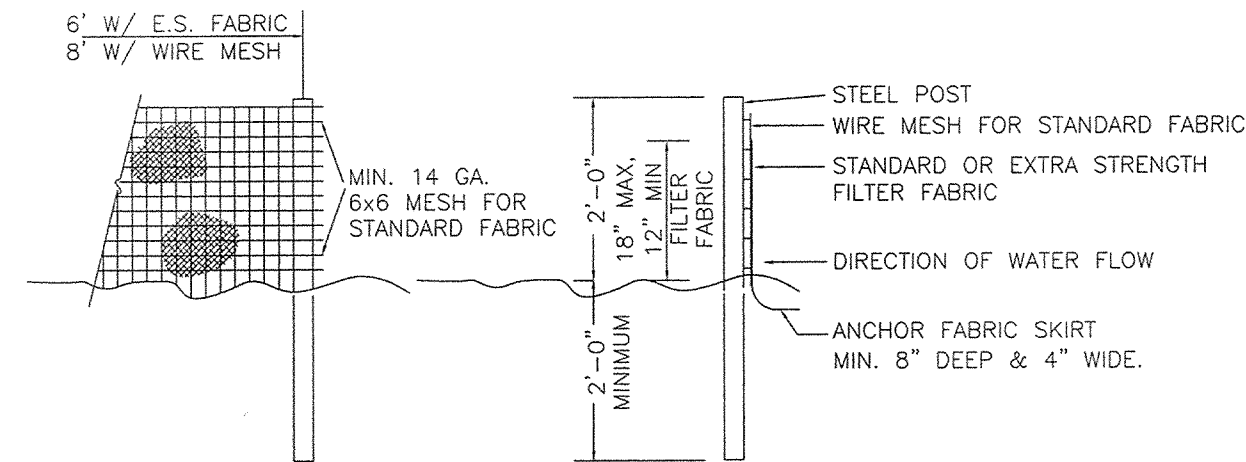
UTILITY PLAN
DOLLAR GENERAL - PINE GROVE
OWNER: PAR 5 DEVELOPMENT, LLC
2860-B NC HWY 5
ABERDEEN, NC 28315
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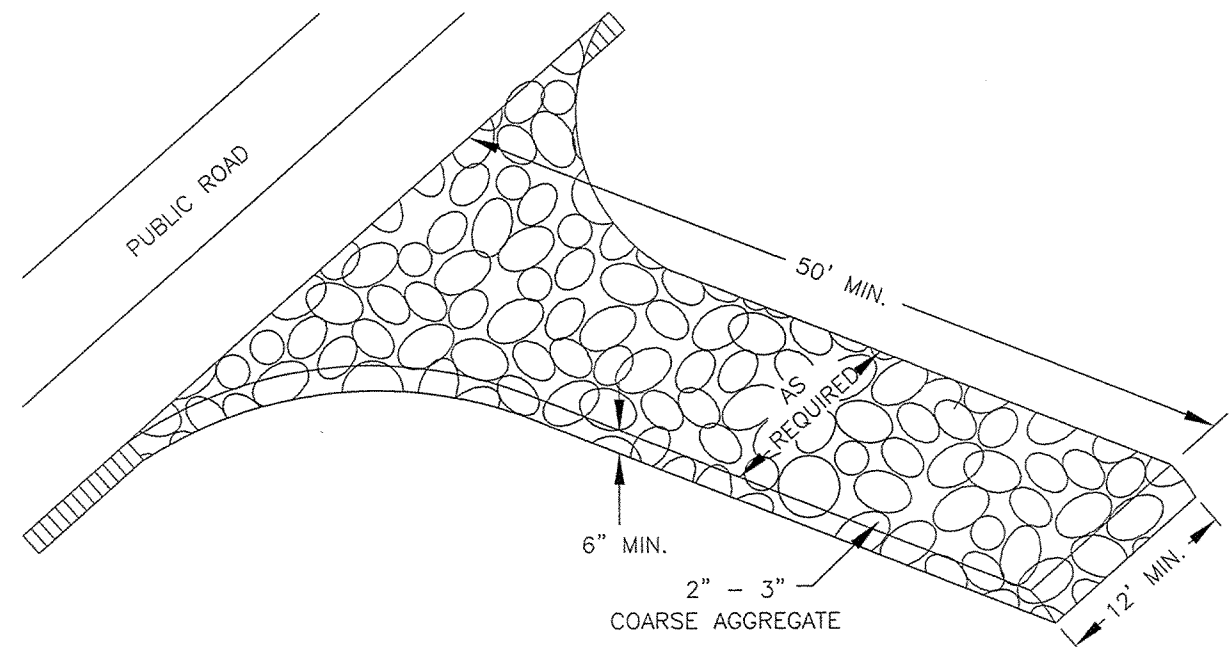


C4



- NOTES:
1. SYN. FENCE FABRIC SHALL BE MIN. OF 30" IN WIDTH WITH 30 LB/IN TENSILE STRENGTH FOR STANDARD FABRIC AND 50 LB/IN FOR EXTRA STRENGTH.
 2. FABRIC SHALL BE CONTINUOUS LENGTH. IF JOINTS ARE NECESSARY, LAP FABRIC POST TO POST.
 3. STEEL POST SHALL BE MIN 4" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

TEMPORARY SILT FENCE

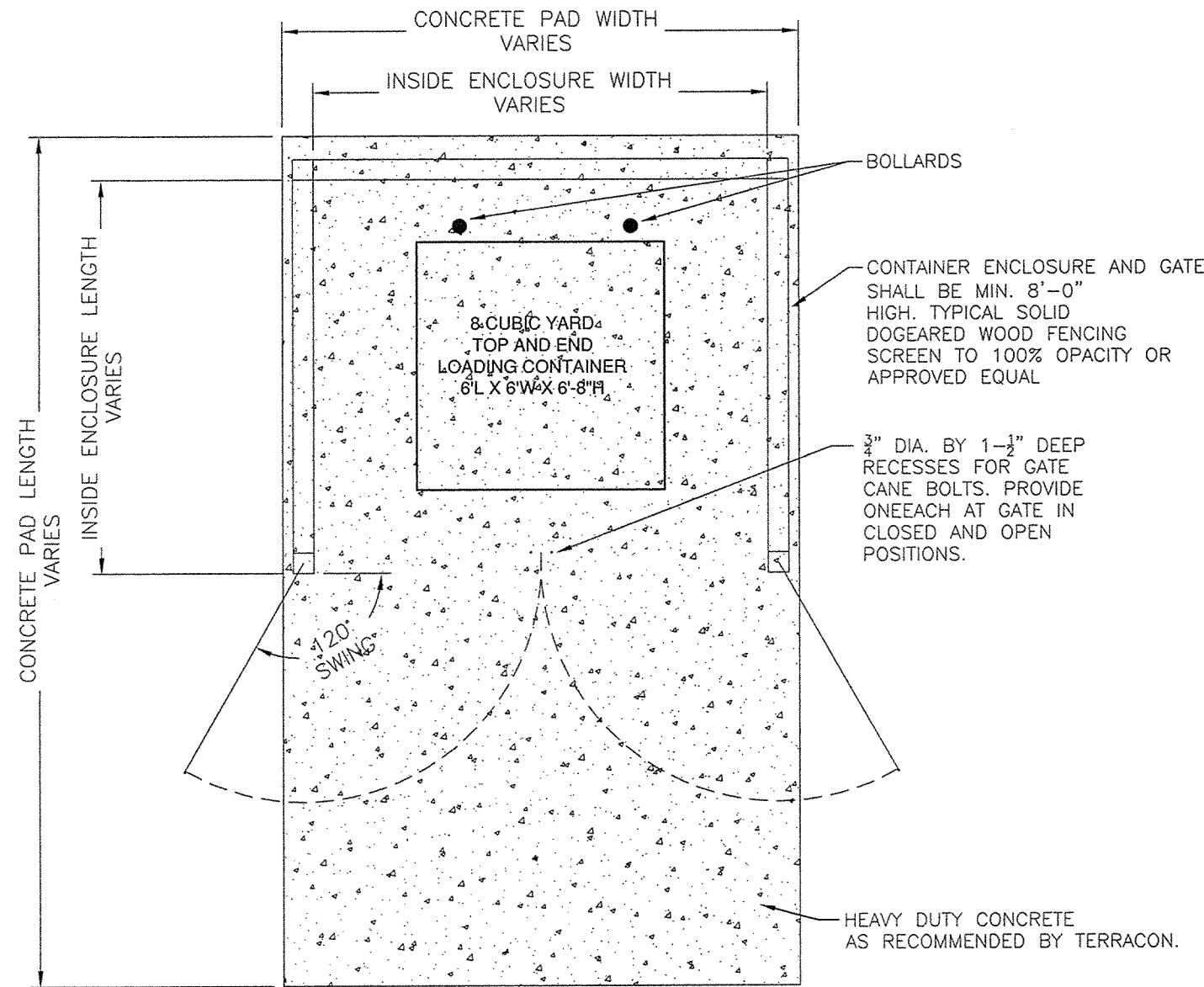


TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE

- GRAVEL CONSTRUCTION ENTRANCE
- CONSTRUCTION SPECIFICATION:
1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
 2. PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.
 3. PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
 4. USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

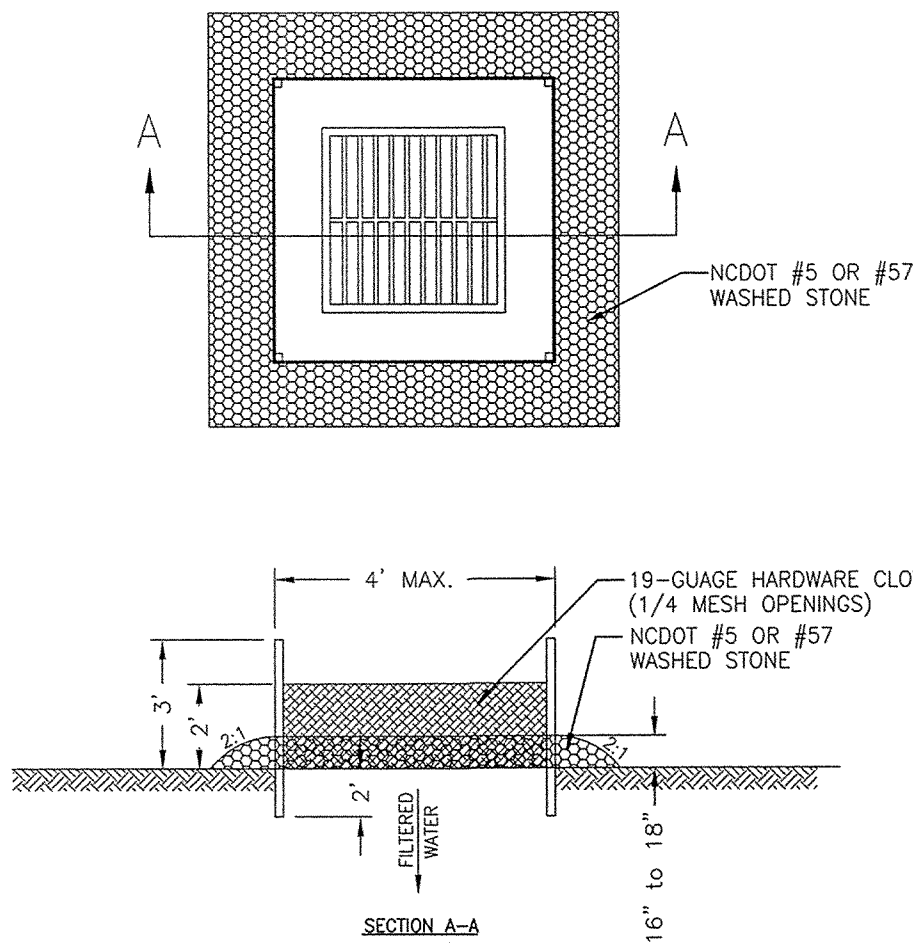
MAINTENANCE:

MAINTAIN THE GRAVEL PAD IS A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2 INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

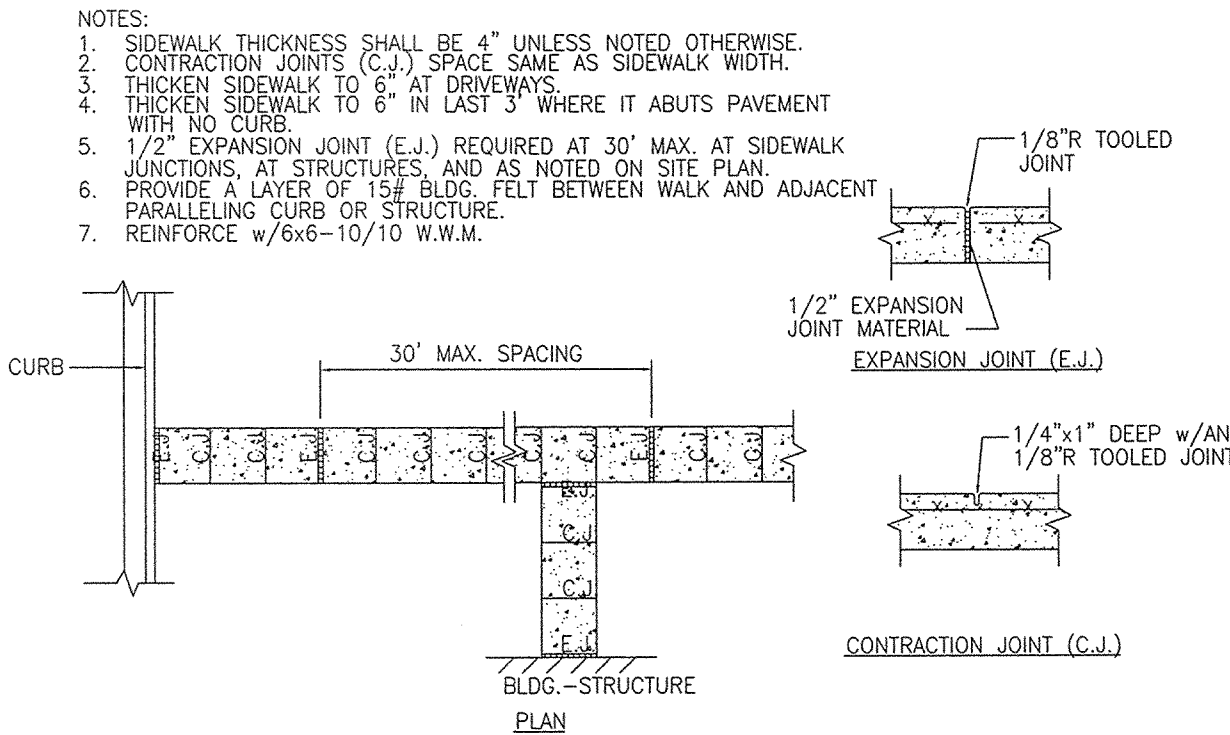


TYPICAL CONTAINER ENCLOSURE PLAN

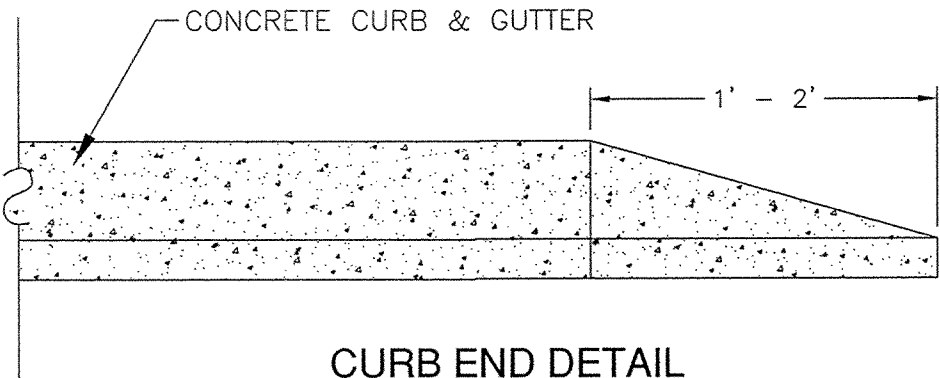
NOTE: DUMPSTER PAD AND ENCLOSURE VARY DEPENDING UPON CONTAINER REQUIREMENTS PER DOLLAR GENERAL CONTRACTOR SHALL PROVIDE SCREENING SO THAT PROPER CLEARANCES ARE MAINTAINED TO ALLOW LOADING & UNLOADING OF CONTAINER.



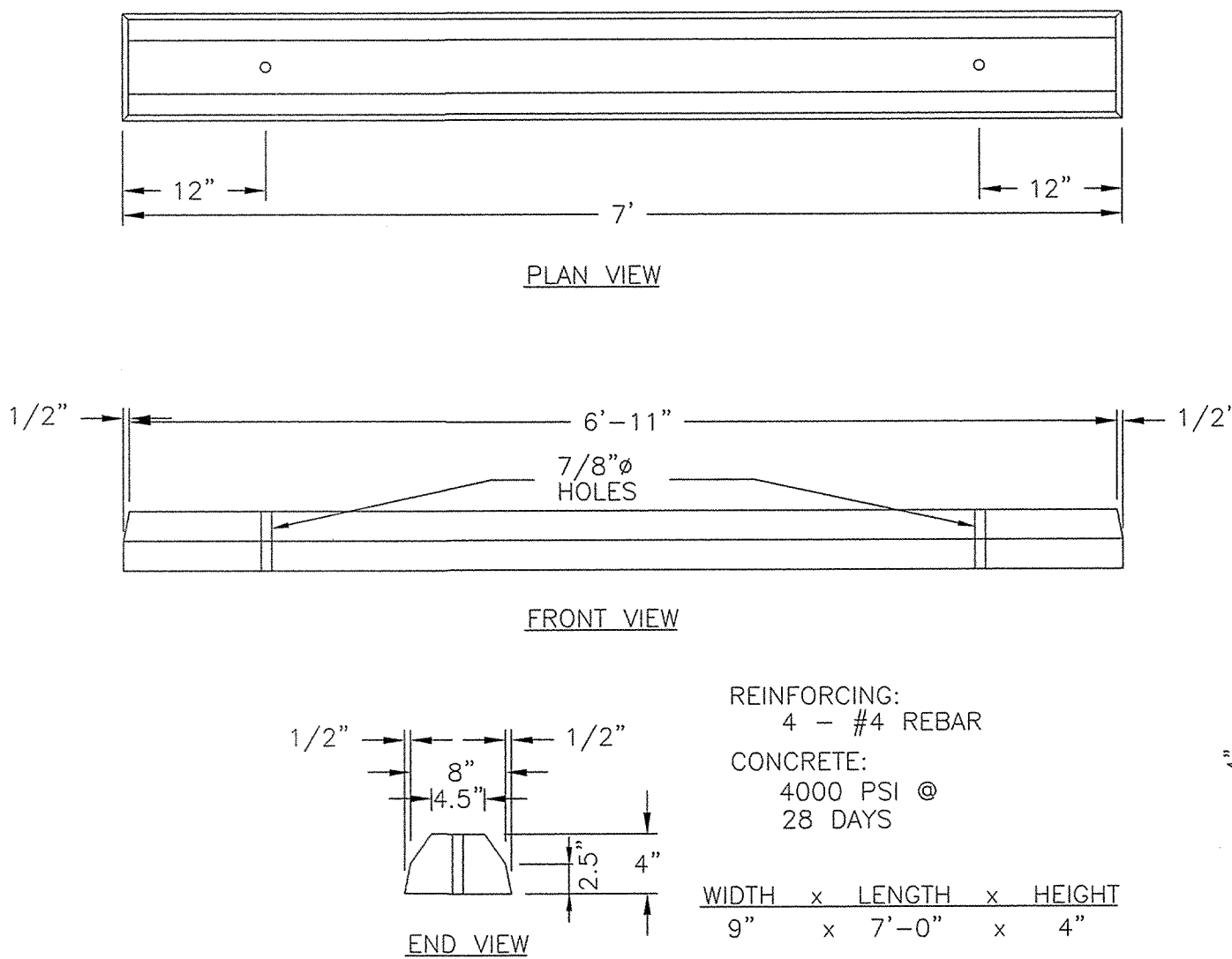
HARDWARE CLOTH & GRAVEL INLET PROTECTION



SIDEWALK JOINT DETAILS



CURB END DETAIL



WHEEL STOP DETAIL

NTS

- CONSTRUCTION SEQUENCE:
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
 2. DRIVE 5" STEEL POST 2" INTO THE GROUND SURROUNDING THE INLET. SPACE POST EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4' APART.
 3. SURROUND THE POST WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POST AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2' FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
 4. PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16" TO 18" 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.

MAINTENANCE:

INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

TEMPORARY/PERMANENT GRASS SPECIFICATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS.
 2. RIP THE ENTIRE AREA TO A 6 INCH DEPTH.
 3. REMOVE ALL ROCKS, ROOTS AND OTHER OBSTRUCTIONS LEAVING SURFACES SMOOTH AND UNIFORM.
 4. APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL. LIME: 45 LBS. PER 1000 S.F. PHOSPHOROUS: 15 LBS PER 1000 S.F. FERTILIZER: 17 LBS. PER 1000 S.F.
 5. CONTINUE TILLAGE UNTIL A WELL PULVERIZED, FIRM, UNIFORM SEED BED IS PREPARED 4-6 INCHES DEEP.
 6. SEED ON A FRESHLY PREPARED SEED BED AND COVER SEED LIGHTLY. 2 - 3 LBS PER 1000 S.F. (SEE MIXTURE BELOW)
 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. GRASS STRAW & HAY AT 75 TO 100 LBS PER 1000 S.F. WOOD CHIPS AT 500 LBS. PER 1000 S.F. JUTE & MESH AS PER MANUFACTURER
 8. ASPHALT FOR ANCHORING MULCH SHALL BE TYPE SS-1 EMULSION AND APPLIED AT A RATE OF 1000 GAL. PER ACRE FOR SLOPE STABILIZATION, AND 150 GAL. PER TON OF STRAW FOR ANCHORING STRAW.
 9. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEED WITHIN THE PLANTING SEASON, IF POSSIBLE. IF GRASS STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
 10. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE, TREATMENT, AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
 11. SEED FOR TEMPORARY AND PERMANENT APPLICATIONS SHALL BE:
20% CARPET GRASS
24% BERMUDA GRASS
20% TURF FESCUE 10% CREEPING RED FESCUE
24% ANNUAL RYE GRASS
*BERMUDA SEED SHALL BE HULLED FOR WARM WEATHER PLANTING. PURITY OF SEED SHALL BE A MIN. OF 98% AND GERMINATION SHALL BE A MIN. OF 85%.
- ALL DISTURBED AREA SHALL BE SEEDDED WITHIN 7 TO 14 DAYS OF THE COMPLETION OF GRADING. CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENuded AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS, OTHER SEEDING SCHEDULES MAY BE POSSIBLE.

NPDES STABILIZATION TIMEFRAMES		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) 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' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

SPECIES	RATE (lb/acre)
RYE (GRAIN)	120

SEEDING DATES
MOUNTAINS - AUG. 15 - DEC. 15
COASTAL PLAIN AND PIEDMONT - AUG. 15 - DEC. 15
SOIL AMENDMENTS
FOLLOW SOIL TEST 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. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REPAIR AND REFERTILIZE DAMAGE AREAS IMMEDIATELY. TOP DRESS WITH 50 lb/acre OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTENT TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 lb/acre KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

SPECIES	RATE (lb/acre)
RYE (GRAIN)	120
ANNUAL LESPEDEZA	50
(KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	

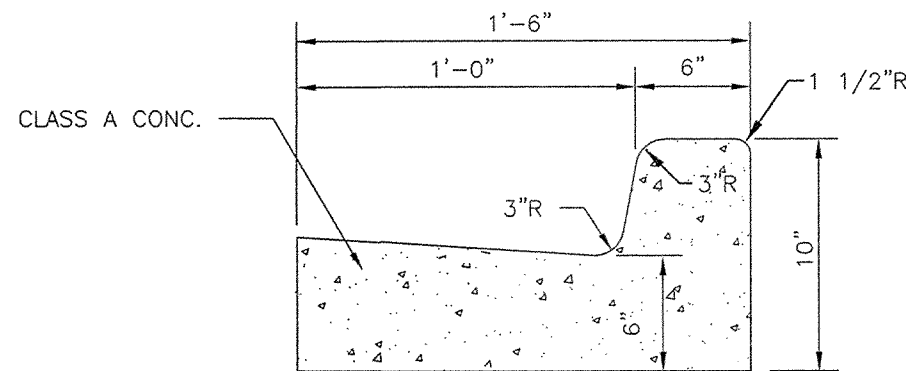
OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEEDING DATES
MOUNTAINS - ABOVE 2,500 FEET: FEB. 15 - MAY 15
BELOW 2,500 FEET: FEB. 1 - MAY 1
PIEDMONT - JAN. 1 - MAY 1
COASTAL PLAIN - DEC. 1 - APRIL 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 DISK 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.



18" FLOW LINE CURB SECTION

NTS

NOTE: CURB TYPE DEPENDS ON GRADES SHOWN ON GRADING PLAN. GRADES INDICATING FALL AWAY FROM CURB SHALL BE SPILL OFF TYPE CURB. GRADES INDICATING CURB ACCEPTING FLOW SHALL BE FLOW LINE TYPE.

NOTE:

1. PRIOR TO ANY FIELD MODIFICATION, REVISIONS SHALL BE APPROVED BY N&T. ANY DEVIATIONS FROM APPROVED PLANS MAY RESULT IN NON CONFORMANCE WITH PERMITS OR PERMITTED CONDITIONS. REVISIONS MAY REQUIRE RE-ANALYSIS & PERMIT MODIFICATION AT OWNERS EXPENSE AND COULD POTENTIALLY DELAY C.O. OR REQUIRE WORK STOPPAGE UNTIL PROJECT IS BROUGHT BACK INTO PERMIT COMPLIANCE.

- SITE WORK NOTES:
1. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH FIELD CONSTRUCTION CONDITIONS.
 2. CONTRACTOR SHALL COORDINATE WORK WITHIN NCDOT AND LOCAL RIGHT OF WAYS WITH PROPER AUTHORITIES AND SHALL MEET ANY REQUIREMENTS AS TO TRAFFIC CONTROL AND CONNECTION TO EXISTING STREETS.
 3. CLEARING AND GRUBBING: REMOVE ALL TREES AS REQUIRED UNLESS OTHERWISE NOTED TO REMAIN, STUMPS, ROOTS, SHRUBBERY, ASPHALT, CONCRETE, STRUCTURES, BURIED UTILITIES, STORAGE TANKS, ETC. WITHIN LIMITS OF CONSTRUCTION.
 4. STRIPPING: BEFORE EXCAVATING OR FILLING, REMOVE ALL TOPSOIL, WOOD, LEAVES, AND ANY OTHER UNSUITABLE MATERIAL.
 5. MUCKING: REMOVE ANY SOFT, ORGANIC SILT MATERIALS AND EXISTING BURIED CONSTRUCTION DEBRIS AS REQUIRED AND FILL TO SUBGRADE ELEVATIONS WITH A CLEAN SELECT-FILL COMPACTED AS SPECIFIED.
 6. DISPOSAL: CLEARED, GRUBBED, STRIPPED OR EXCAVATED SPOIL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES.
 7. BORROW MATERIAL: THE CONTRACTOR SHALL FURNISH BORROW MATERIAL REQUIRED FROM OFF SITE AND OBTAIN ALL REQUIRED PERMITS ASSOCIATED WITH BORROW OPERATIONS.
 8. FILL AND COMPACTION: AFTER STRIPPING THOSE AREAS DESIGNATED TO RECEIVE FILL SHOULD BE PROOFROLLED. THE TOP 8" OF SUBGRADE SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. ANY AREA WHICH PUMPS OR RUTS EXCESSIVELY SHOULD BE UNDERCUT AND REPLACED WITH A CLEAN, SILTY OR CLAYEY SAND HAVING A UNIFIED SOIL CLASSIFICATION OF SP, SM, OR SC. FILL MATERIAL 5' OUTSIDE OF BUILDING AREAS SHALL THEN BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED TO 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. FILL MATERIALS WITHIN BUILDING AREAS TO A LINE OUTSIDE THE BUILDING AREAS SHALL BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED TO 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. IF THE MATERIAL IS TOO DRY TO COMPACT TO THE REQUIRED DENSITY EACH LAYER SHALL BE WETTED IN ACCORDANCE WITH COMPACTION REQUIREMENTS. IF THE MATERIAL IS TOO WET TO SECURE PROPER COMPACTION, IT SHALL BE HARROWED REPEATEDLY OR OTHERWISE AERATED WITH SUITABLE EQUIPMENT UNTIL OPTIMUM MOISTURE CONTENT IS OBTAINED. FILL SHALL BE PLACED IN SUCH A MANNER THAT THE SURFACE WILL DRAIN READILY AT ALL TIMES. SEE STRUCTURAL NOTES AND SOILS REPORT FOR ADDITIONAL REQUIREMENTS.
 9. LAYOUT: THE CONTRACTOR SHALL PROVIDE ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK.
 10. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION.
 11. EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION FROM SURVEY BY NORRIS & WARD LAND SURVEYING AND PROVIDED BY OWNER.
 12. THE CONTRACTOR SHALL VERIFY DIMENSIONS AT JOBSITE.
 13. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF RELOCATION OR DISCONNECTION OF ALL EXISTING UTILITIES WITH APPLICABLE AGENCIES AND AUTHORITIES.
 14. ALL PAVEMENT AND BASE MATERIALS AND WORKMANSHIP SHALL CONFORM TO NCDOT STANDARDS.
 15. WATER AND SEWER SERVICES SHALL BE INSTALLED TO MEET LOCAL AND STATE PLUMBING CODES. METER AND TAPS SHALL MEET ALL LOCAL REQUIREMENTS.
 16. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE.
 17. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
 18. CONTRACTOR SHALL NOTE THAT EARTHWORK QUANTITIES ARE HIS RESPONSIBILITY. PLANS DO NOT REPRESENT A BALANCED EARTHWORK CONDITION.
 19. 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.
 20. REFER TO THE PLUMBING DRAWINGS FOR LOCATION AND INVERTS OF NEW WASTE AND WATER LINES.

35% PROGRESS DRAWING

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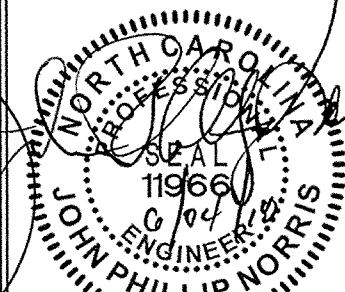
902 MARKET STREET
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PHONE (910) 343-9663

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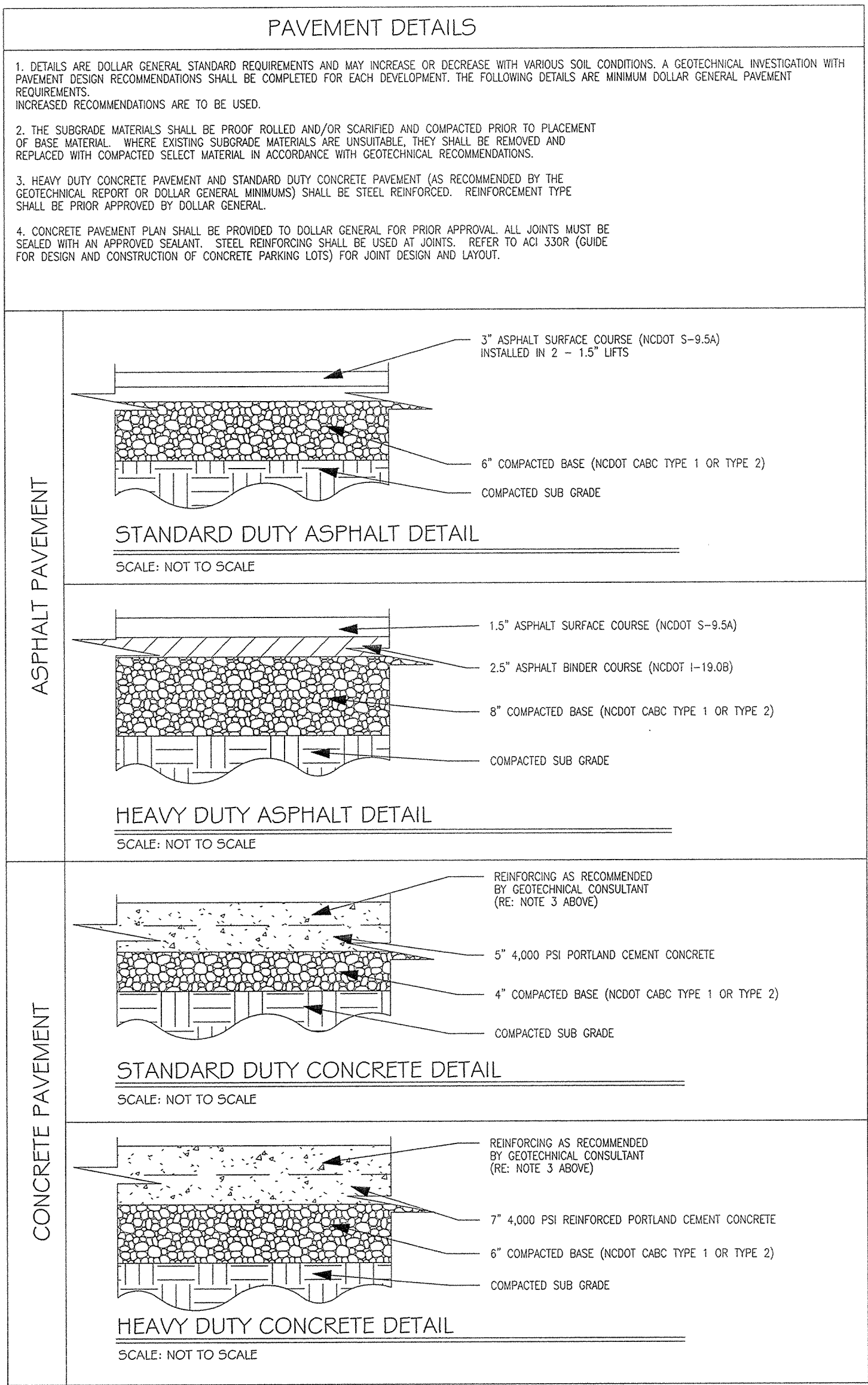
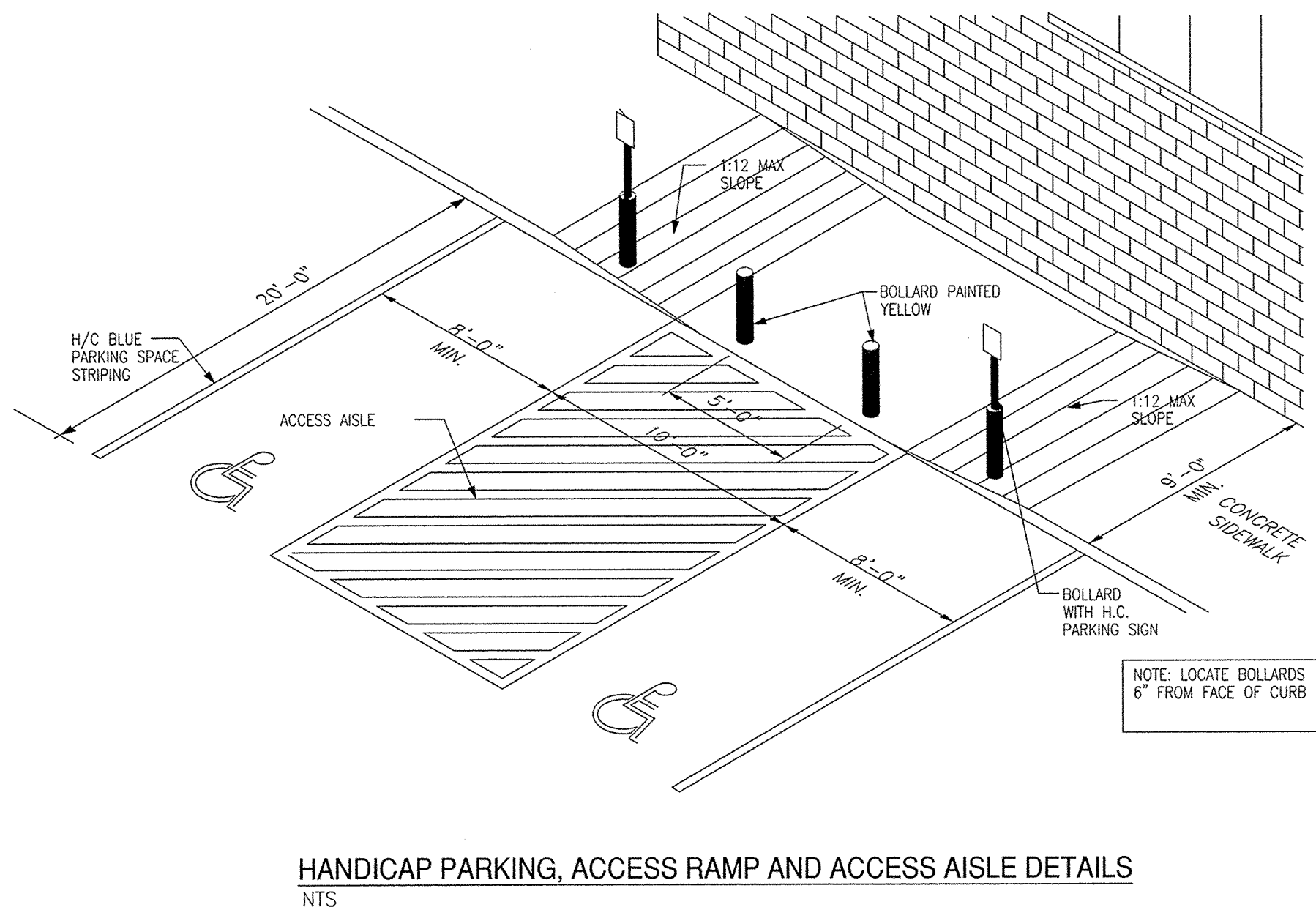
C5

DETAILS

DOLLAR GENERAL - PINE GROVE

NEW HANOVER COUNTY, NORTH CAROLINA

OWNER:
PAR 5 DEVELOPMENT, LLC
2860-B NC HWY 5
ABERDEEN, NC 28315
(P) 910-944-0881
lee@thetsoncompanies.com



* PAVEMENT SECTIONS HAVE BEEN EDITED TO REFLECT RECOMMENDATIONS PROVIDED BY TERRACON. SEE GEOTECHNICAL REPORT FOR ALL PAVING REQUIREMENTS.

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PAR 5 DEVELOPMENT, LLC
2860-B NC HWY 5
ABERDEEN, NC 28315
(P) 910-944-0881
lee@rhetsoncompanies.com

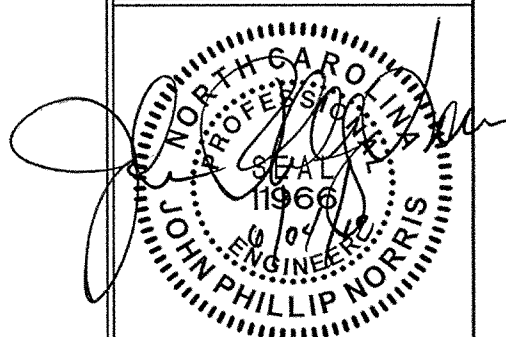
DOLLAR GENERAL - PINE GROVE

NEW HANOVER COUNTY, NORTH CAROLINA

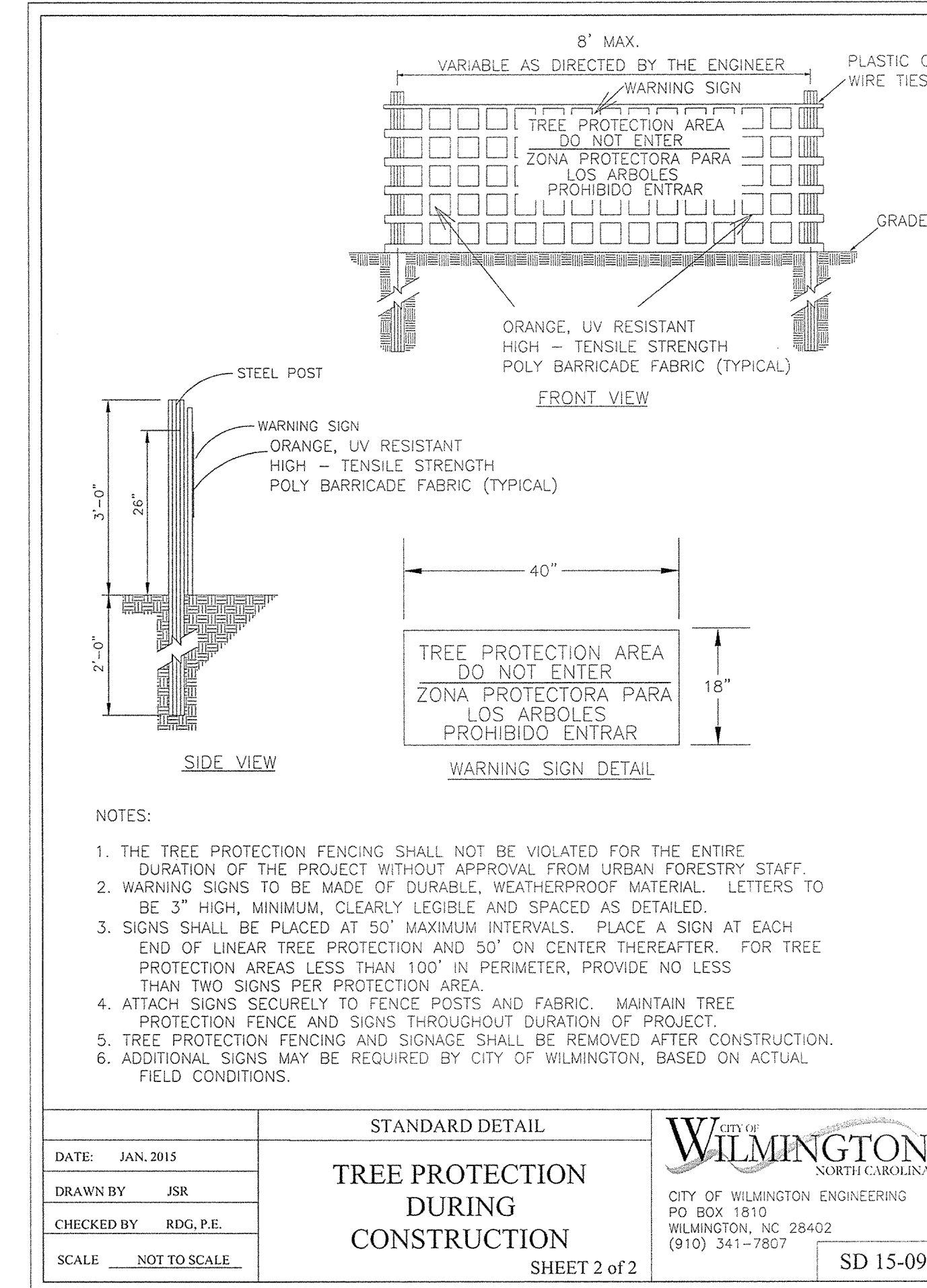
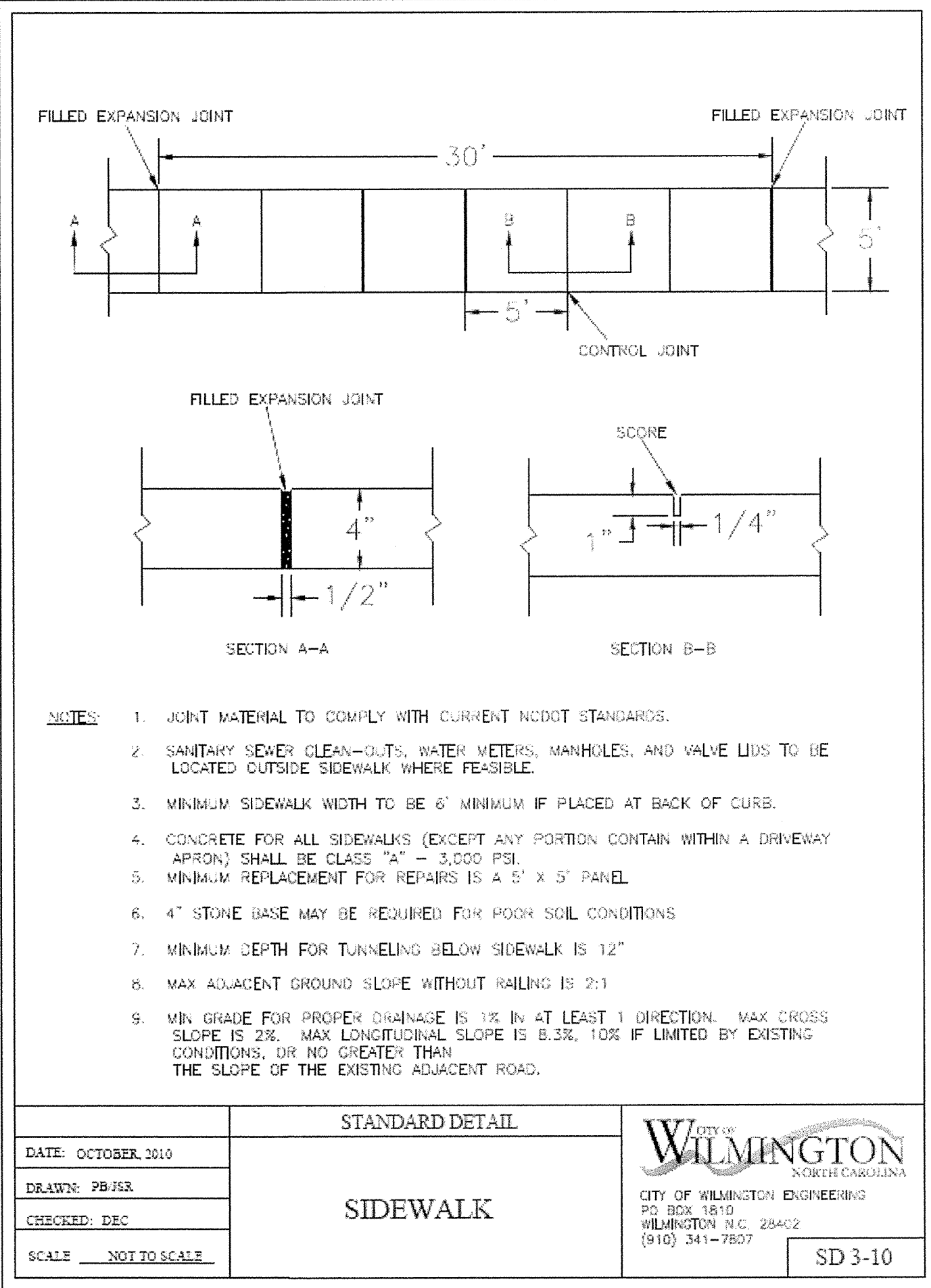
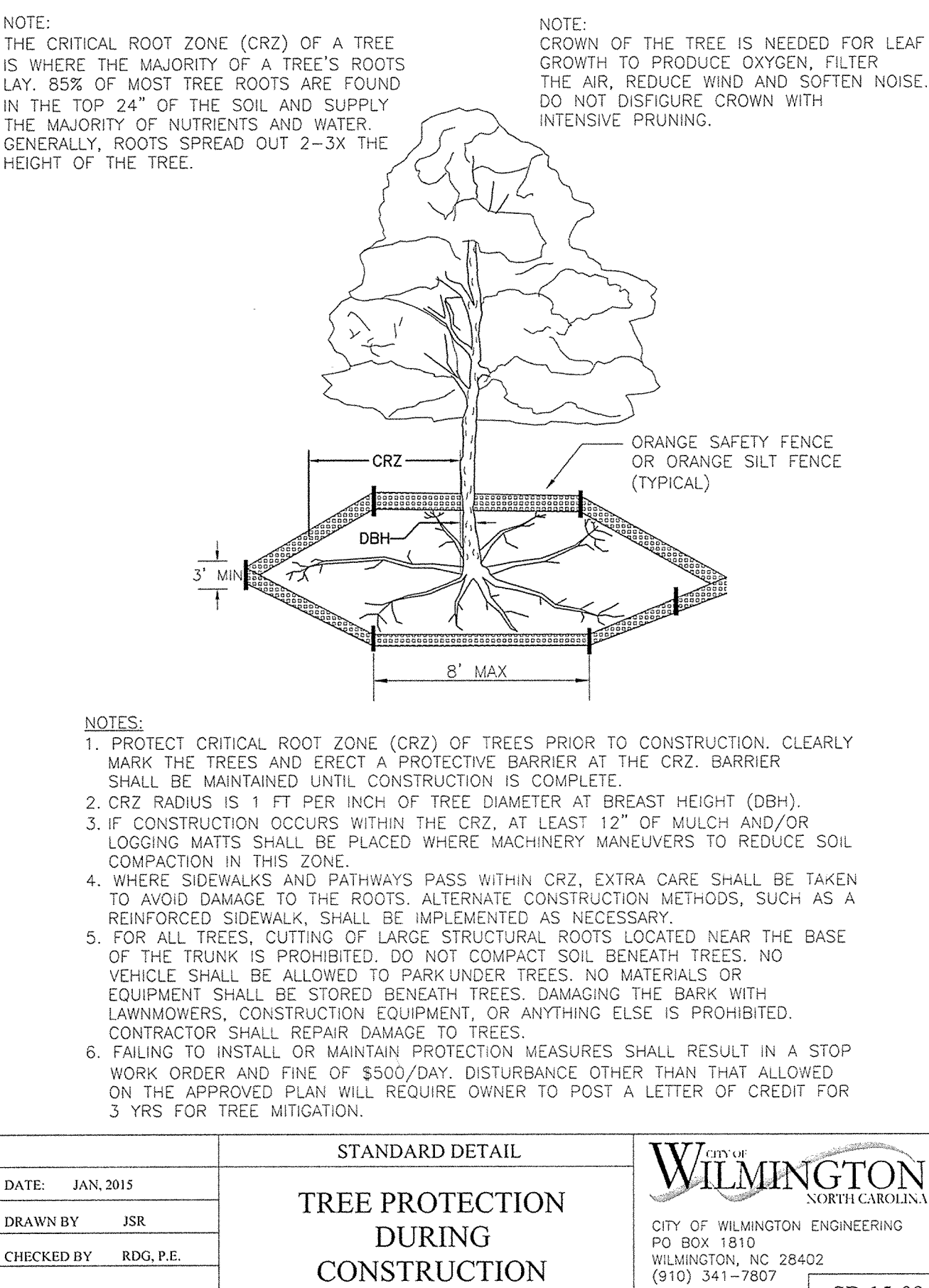
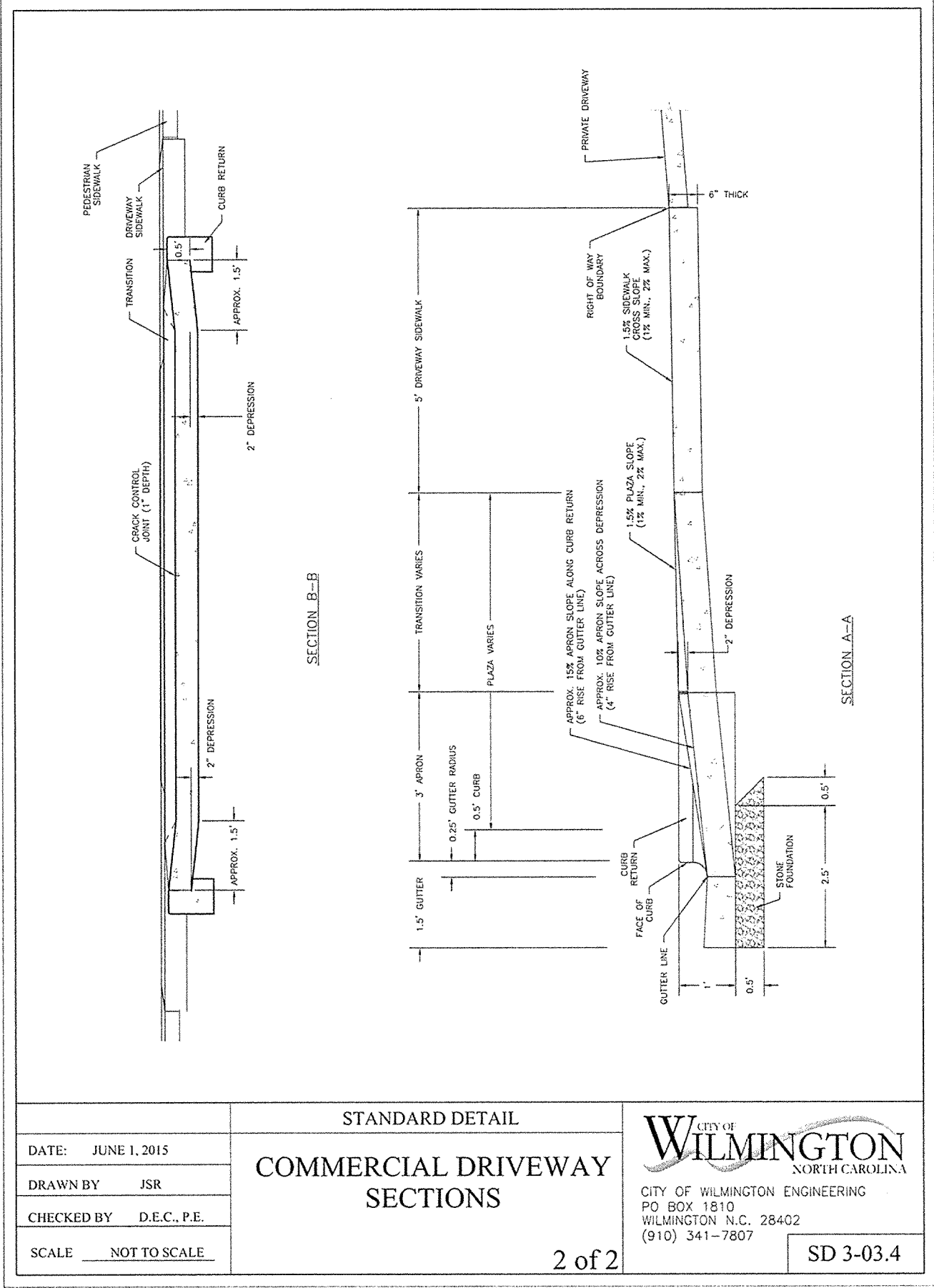
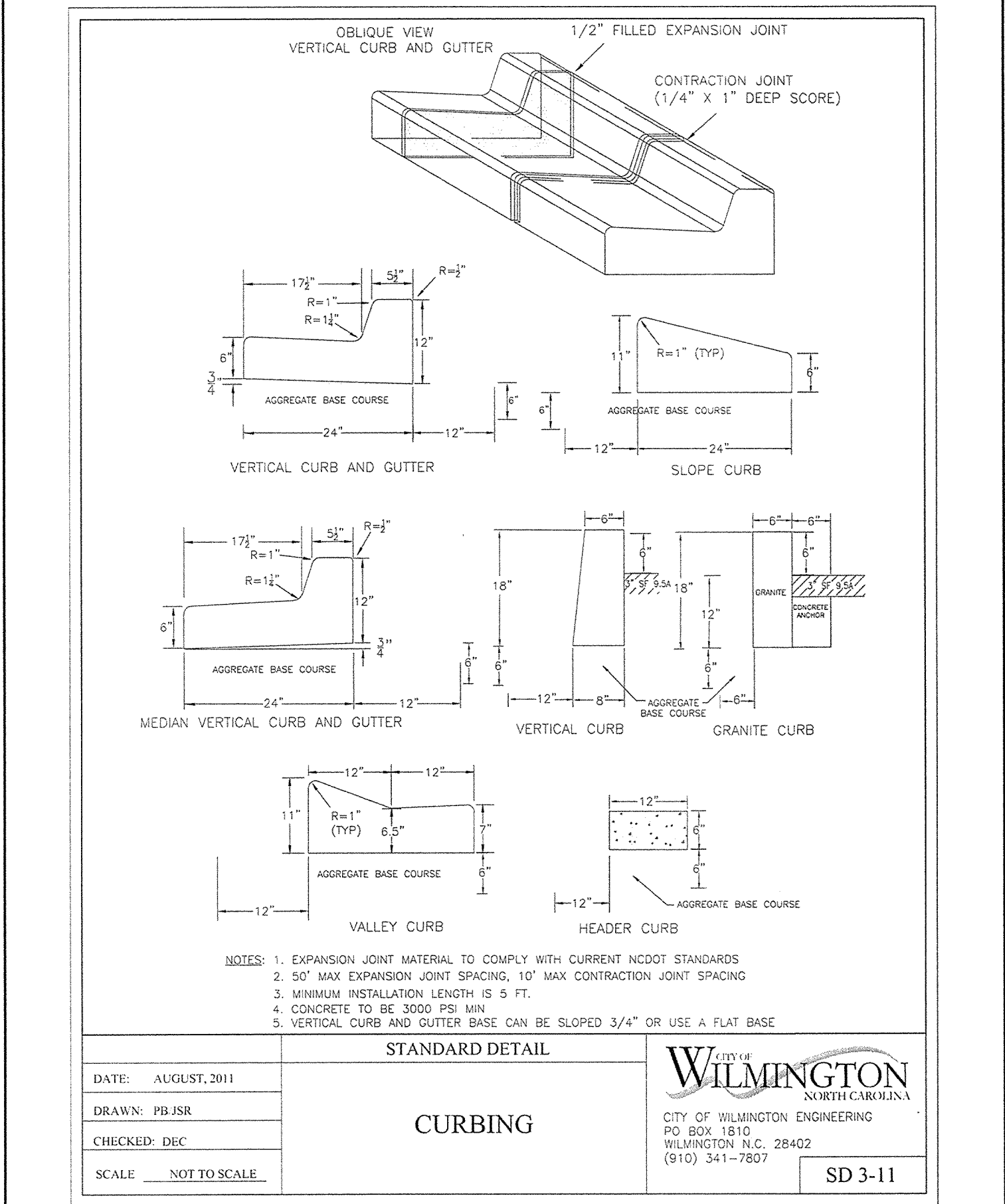
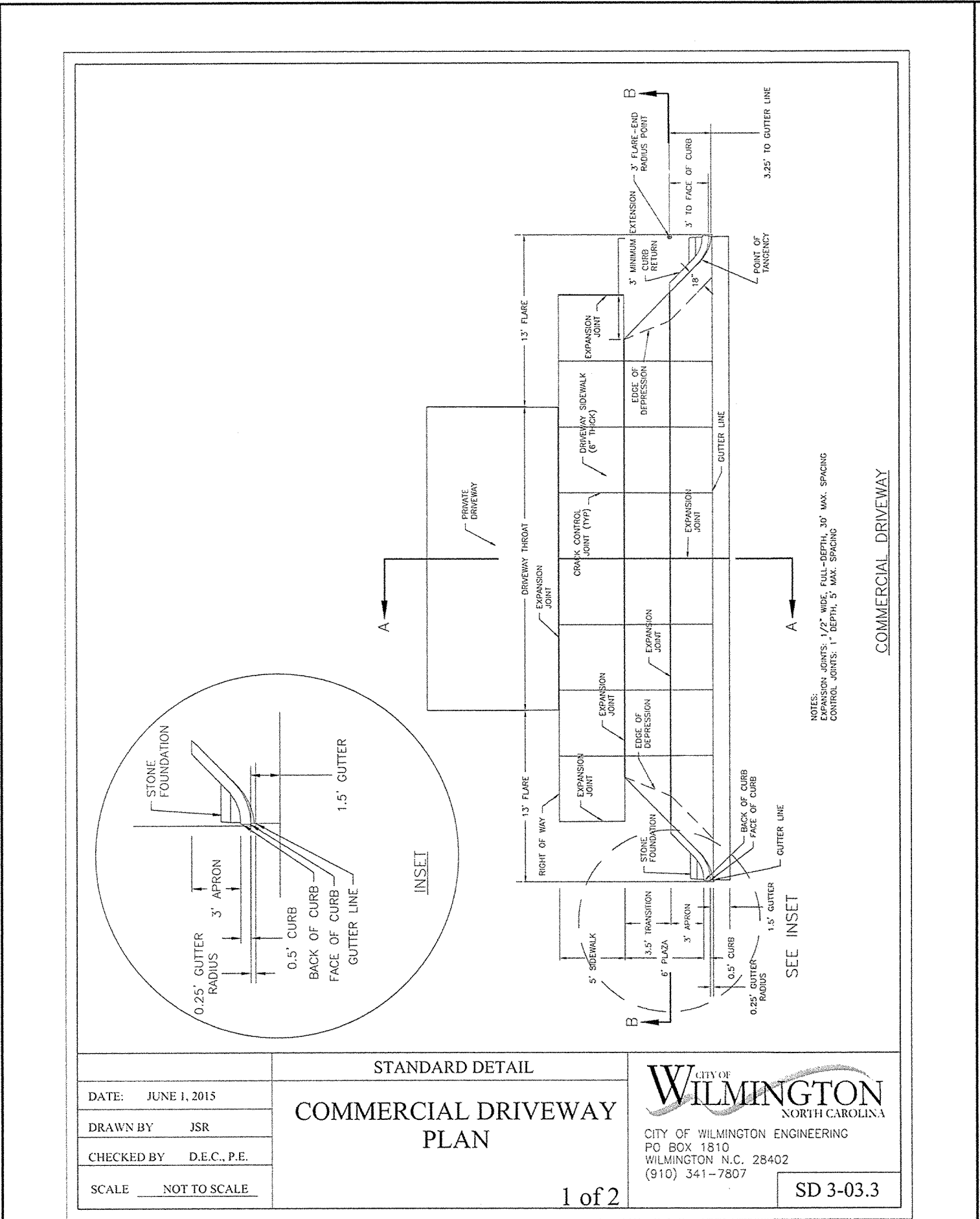
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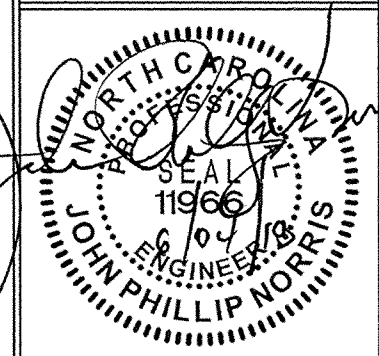
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DETAILS	OWNER:
	PAR 5 DEVELOPMENT, LLC
	2860-B NC HWY 5
	ABERDEEN, NC 28315
	(P) 910-944-0881
	lee@thetsoncompanies.com

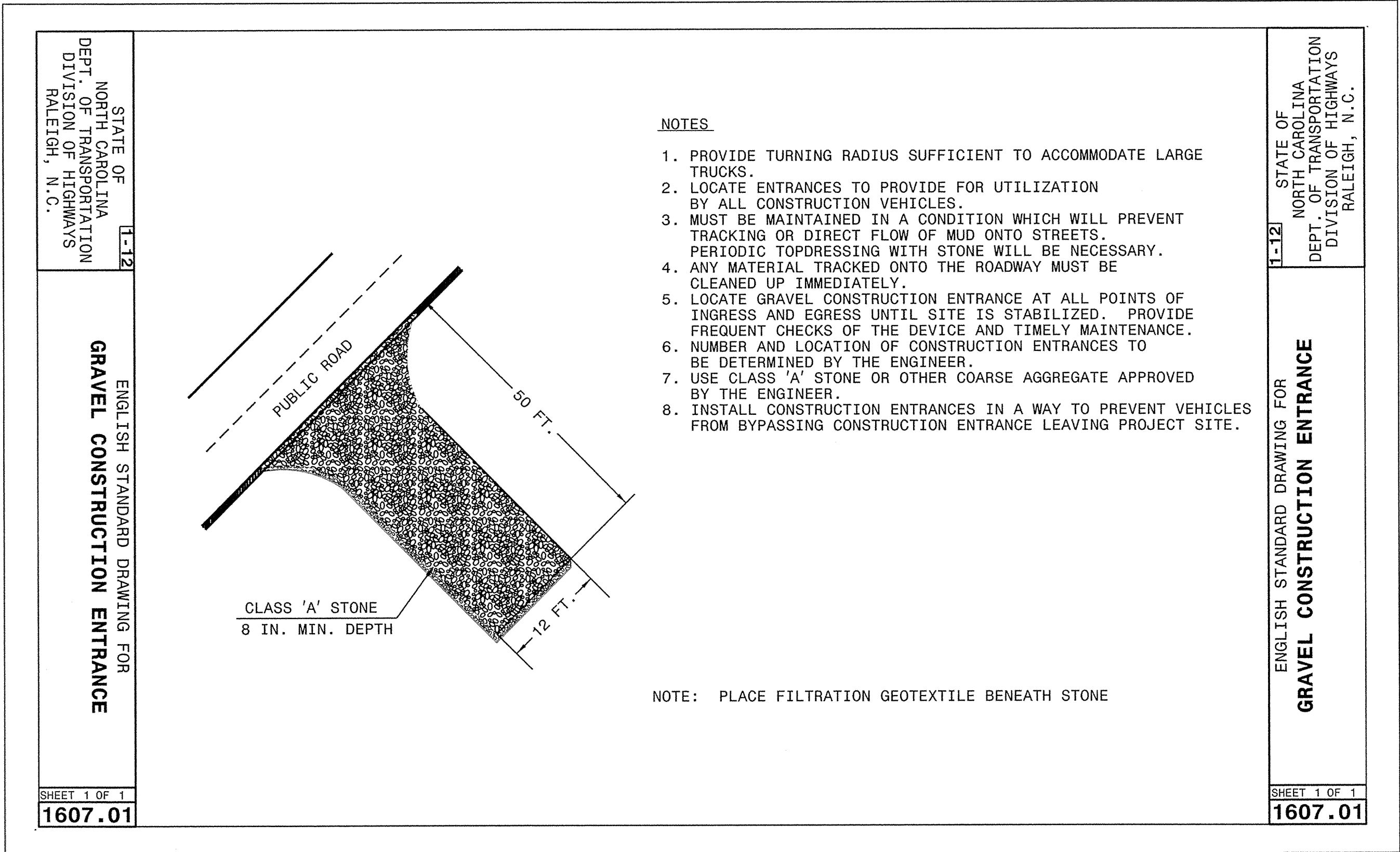
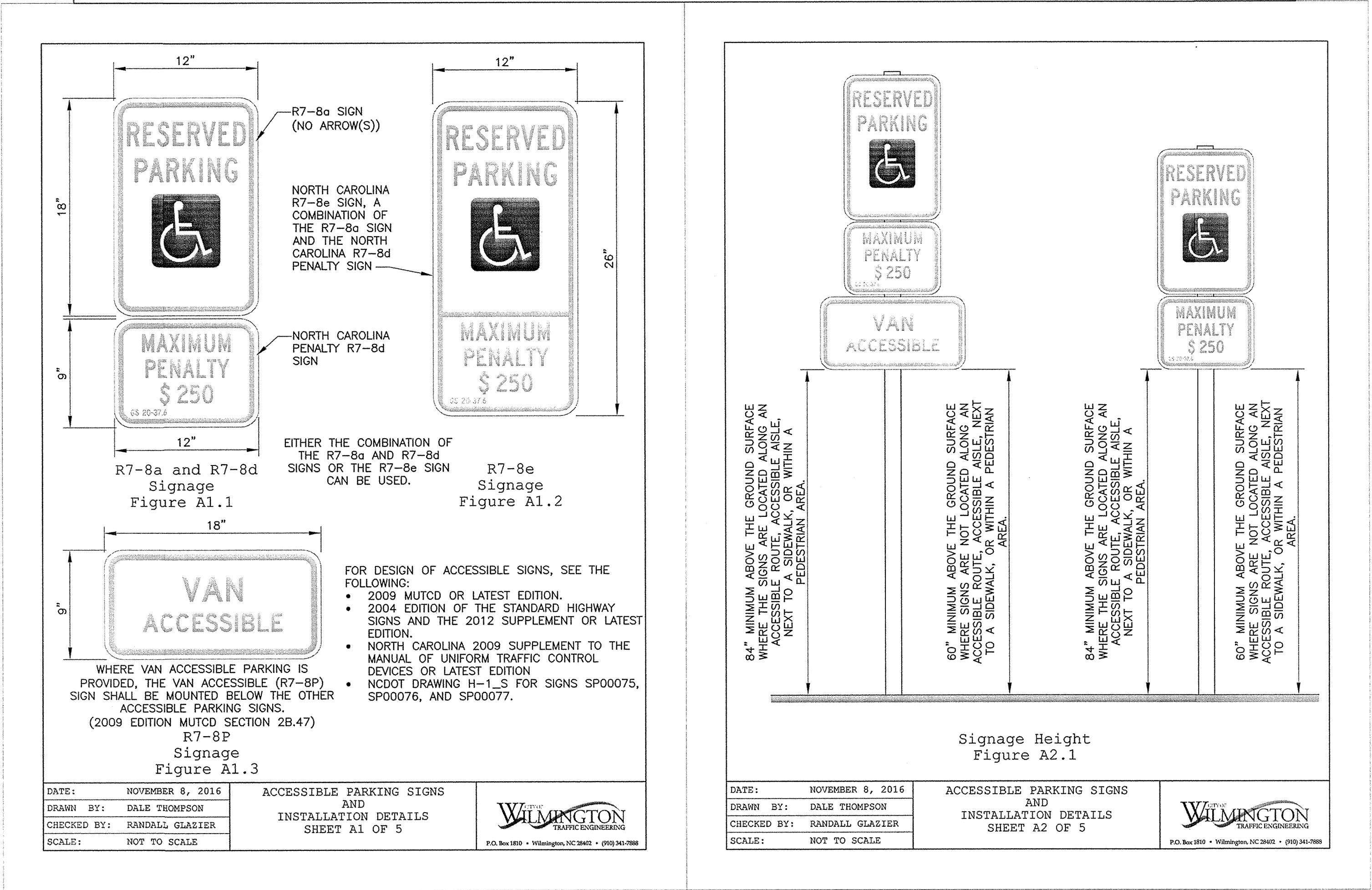
OWNER:	PAR 5 DEVELOPMENT, LLC
	2860-B NC HWY 5
	ABERDEEN, NC 28315
	(P) 910-944-0881
	lee@thetsoncompanies.com

NORRIS & TUNSTALL	1429 ASH-LITTLE RIVER RD. NW
CONSULTING ENGINEERS P.C.	ASH, NC 28420
	PHONE (910) 287-5960

DES.	JPN
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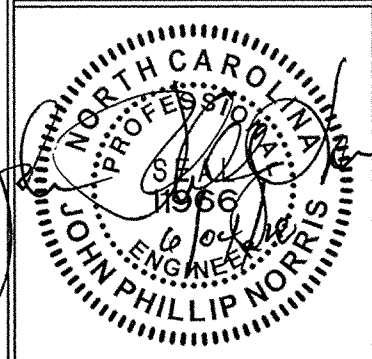
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DETAILS
OWNER: PAR S DEVELOPMENT, LLC 2860-B NC HWY 5 ABERDEEN, NC 28315 (P) 910-944-0881 lee@thetsoncompanies.com
DOLLAR GENERAL - PINE GROVE
-
NEW HANOVER COUNTY, NORTH CAROLINA

OWNER: PAR S DEVELOPMENT, LLC 2860-B NC HWY 5 ABERDEEN, NC 28315 (P) 910-944-0881 lee@thetsoncompanies.com

NORRIS & TUNSTALL CONSULTING ENGINEERS P.C.
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902 MARKET STREET WILMINGTON, NC 28401 PHONE (910) 343-5655

Licence #C-3641
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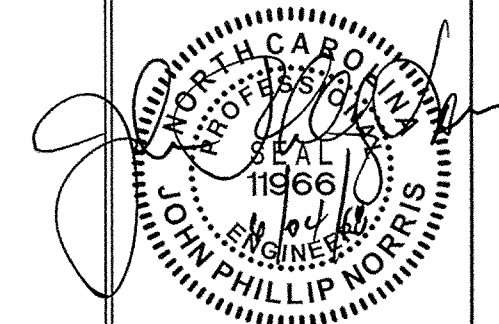
OWNER:
PAR 5 DEVELOPMENT, LLC
2860-B NC HWY 5
ABERDEEN, NC 28315
(P) 910-944-0881
lee@hettsoncompanies.com

NORRIS & TUNSTALL
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CFPUA SANITARY SEWER

STANDARD DETAILS

CAPE FEAR PUBLIC UTILITY AUTHORITY
255 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28401
OFFICE: (910)333-6568

DATE: 15/12
SCALE: N/A
PROJECT: CFPUA
SHEET NO.: SSD-2

CFPUA WATER DISTRIBUTION SYSTEM

STANDARD DETAILS

CAPE FEAR PUBLIC UTILITY AUTHORITY
255 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28401
OFFICE: (910)333-6568

DATE: 15/12
SCALE: N/A
PROJECT: CFPUA
SHEET NO.: WSD-1

